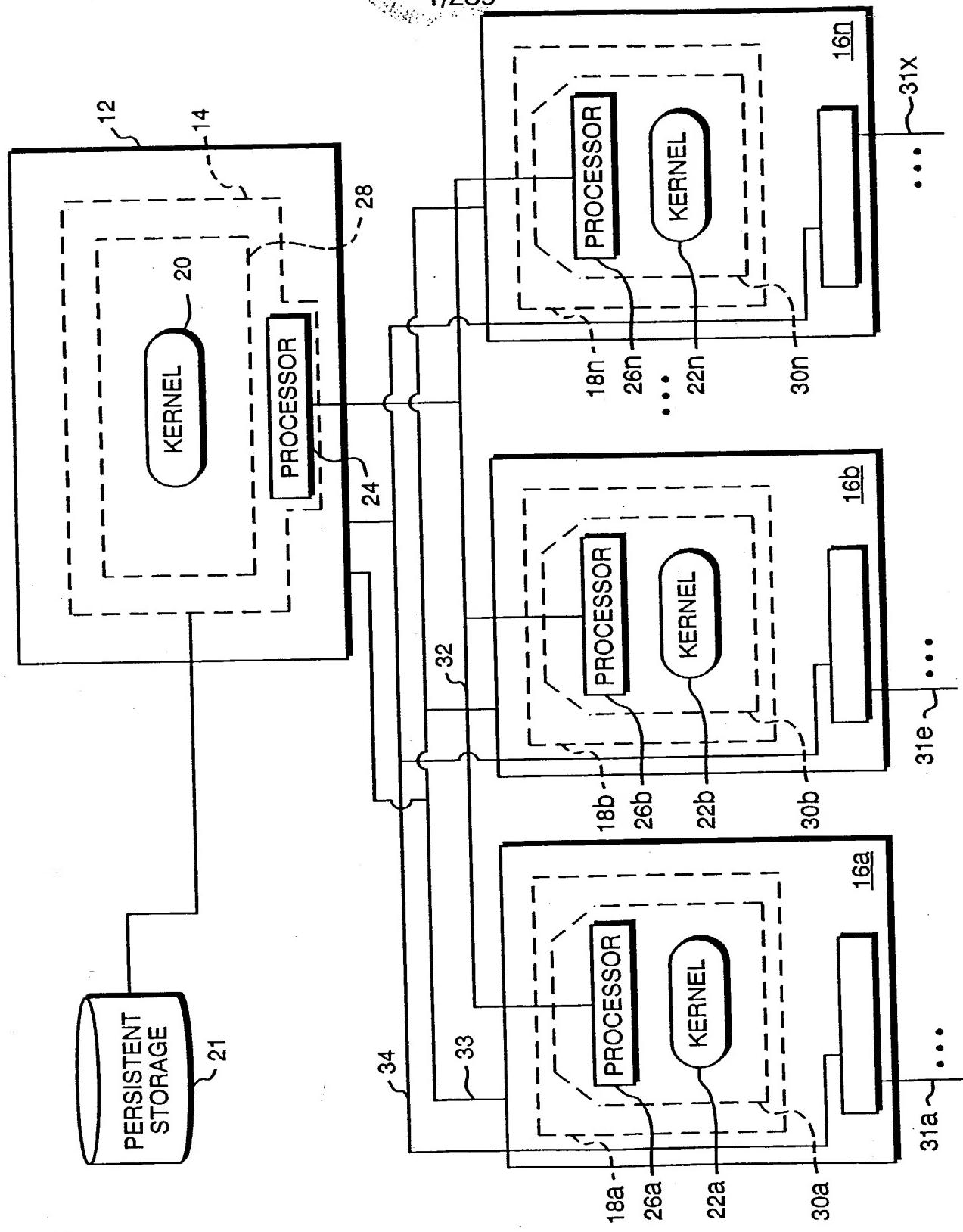


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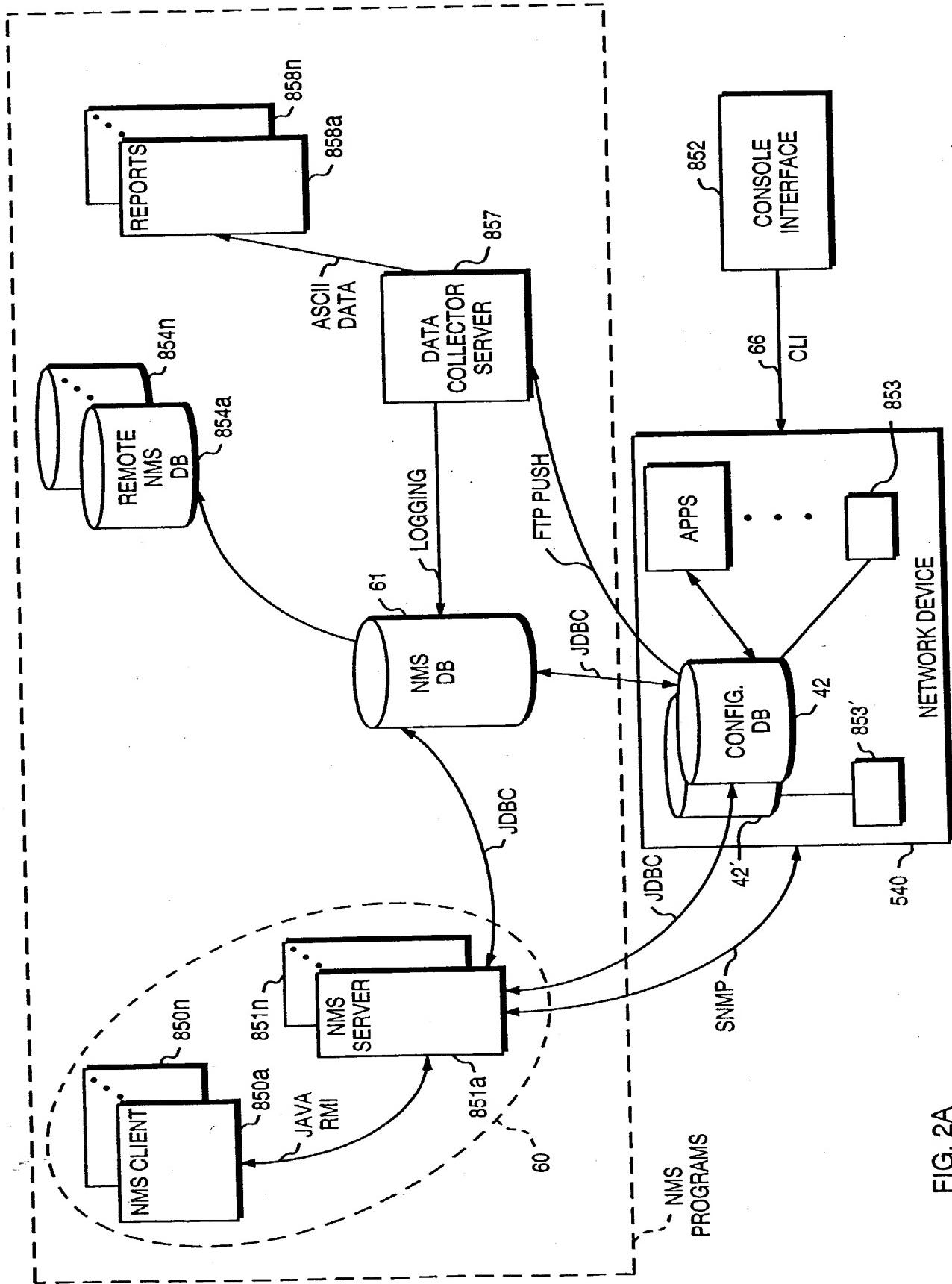


FIG. 2A

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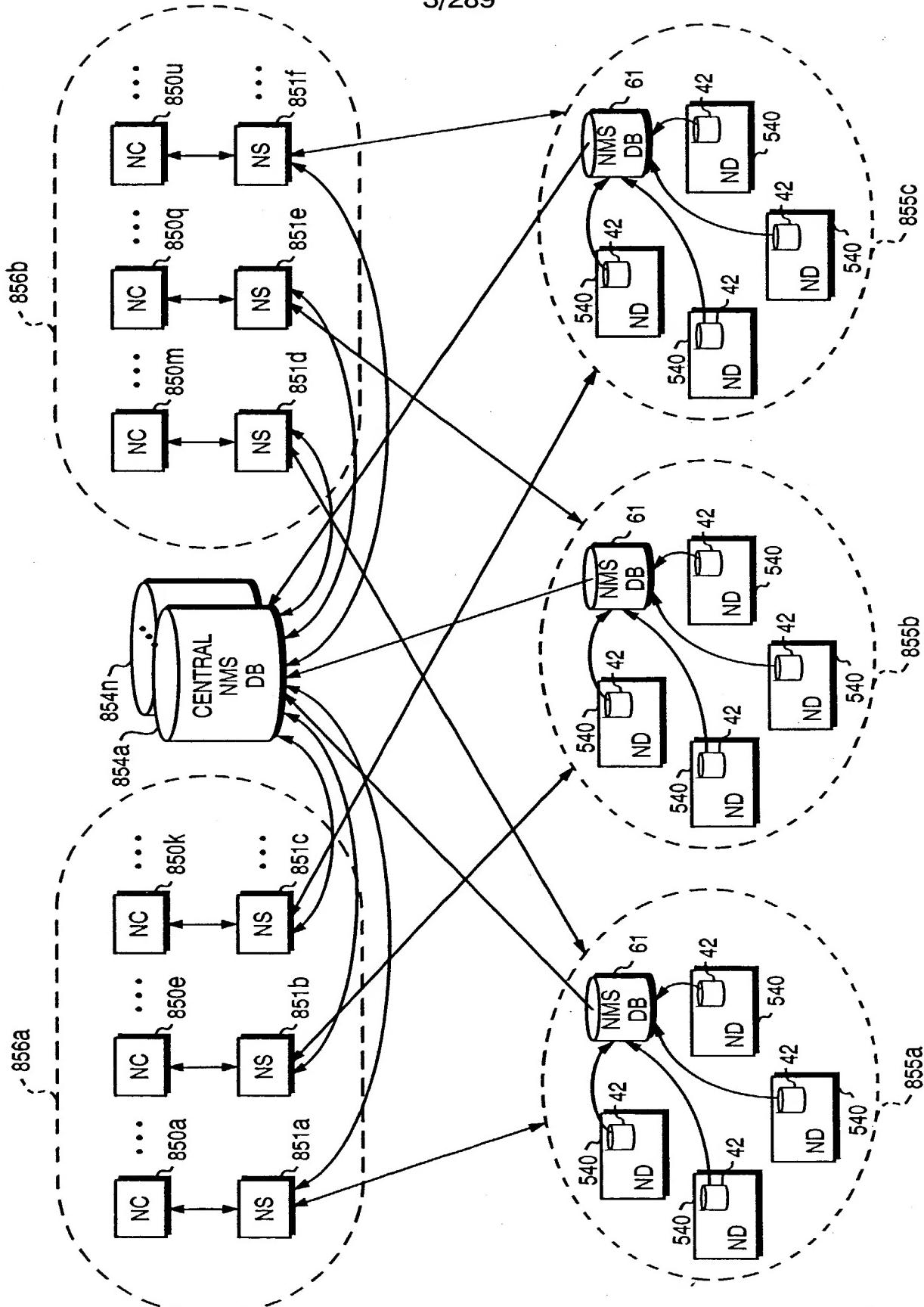


FIG. 2B

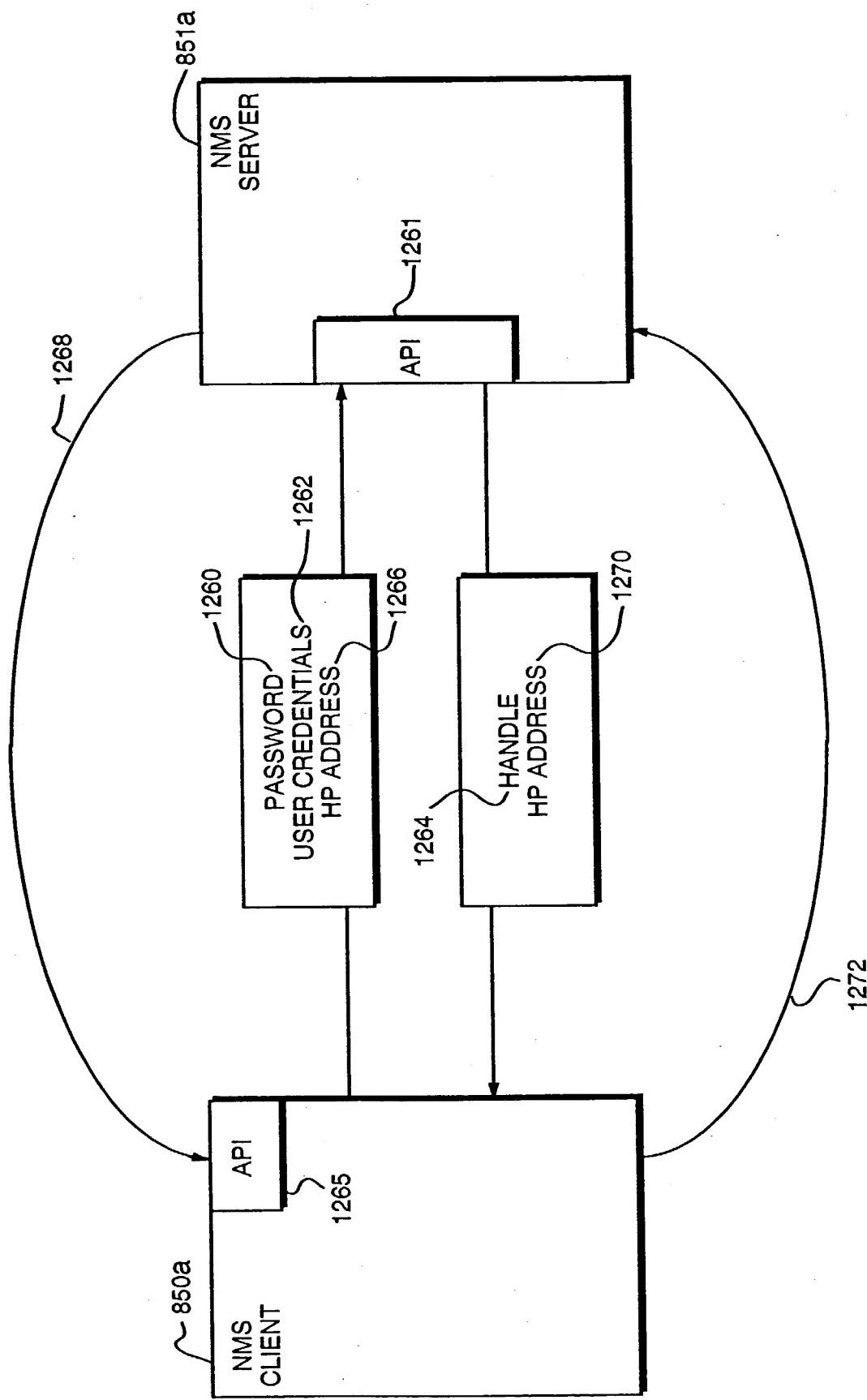


FIG. 2C

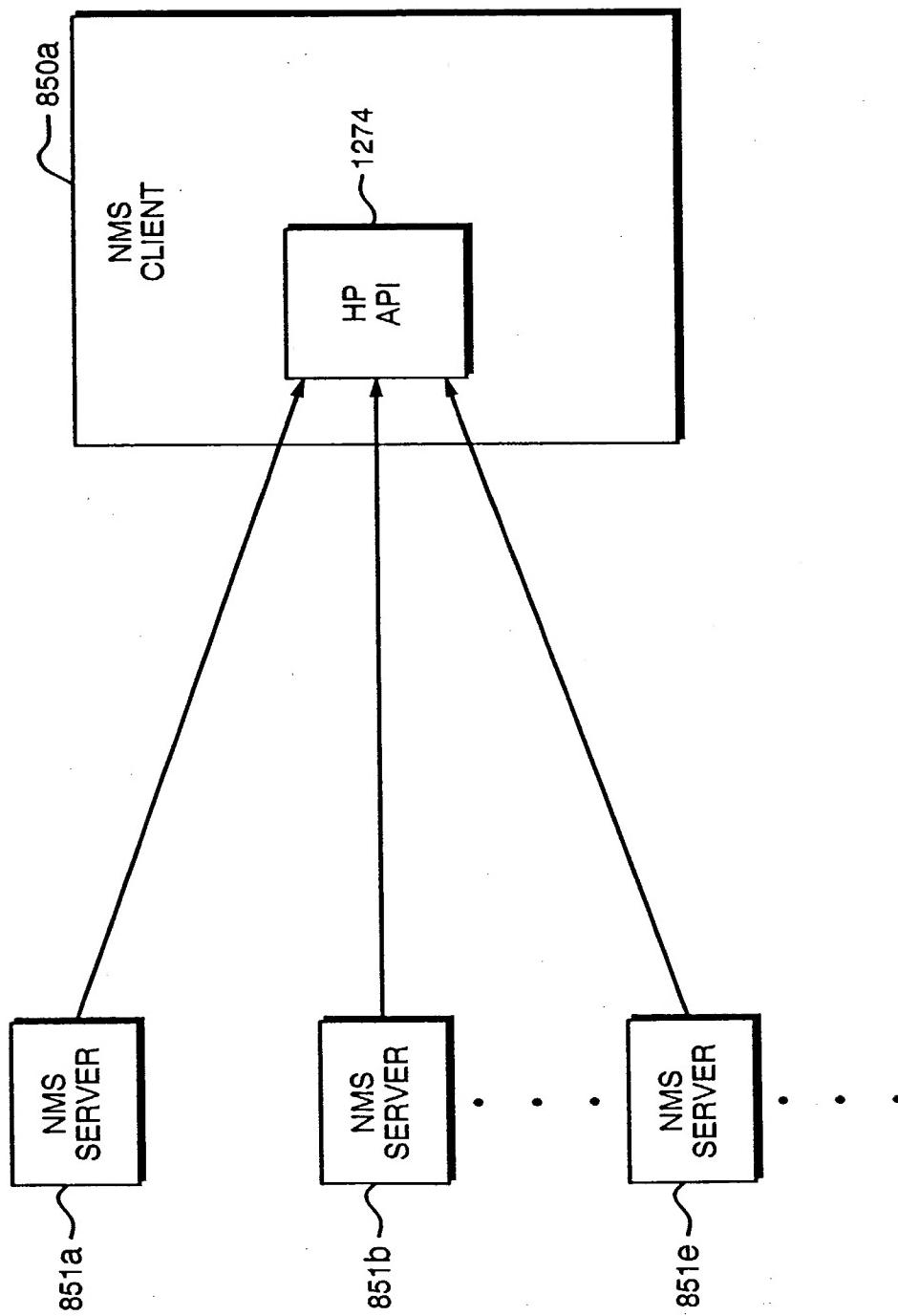


FIG. 2D

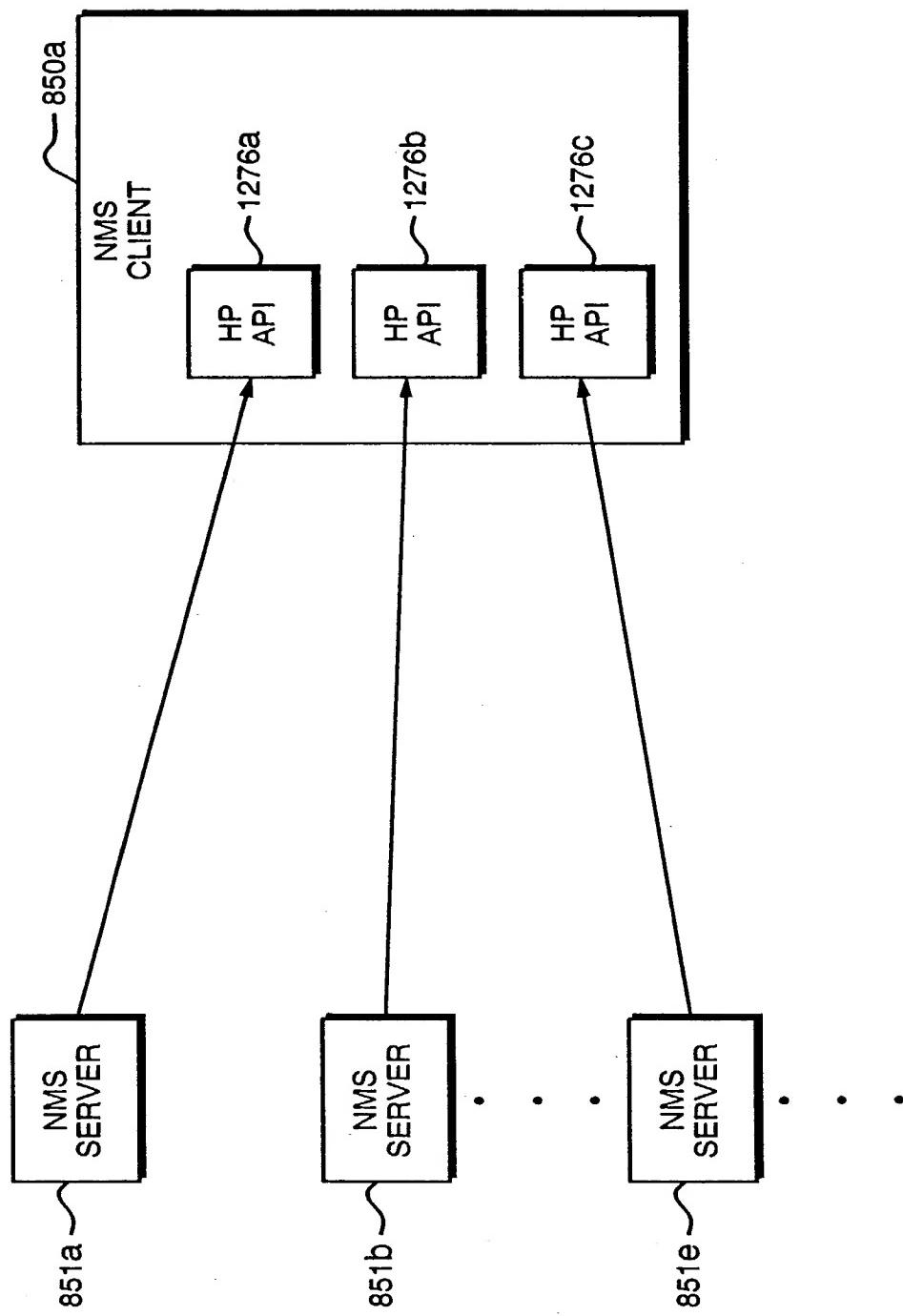


FIG. 2E

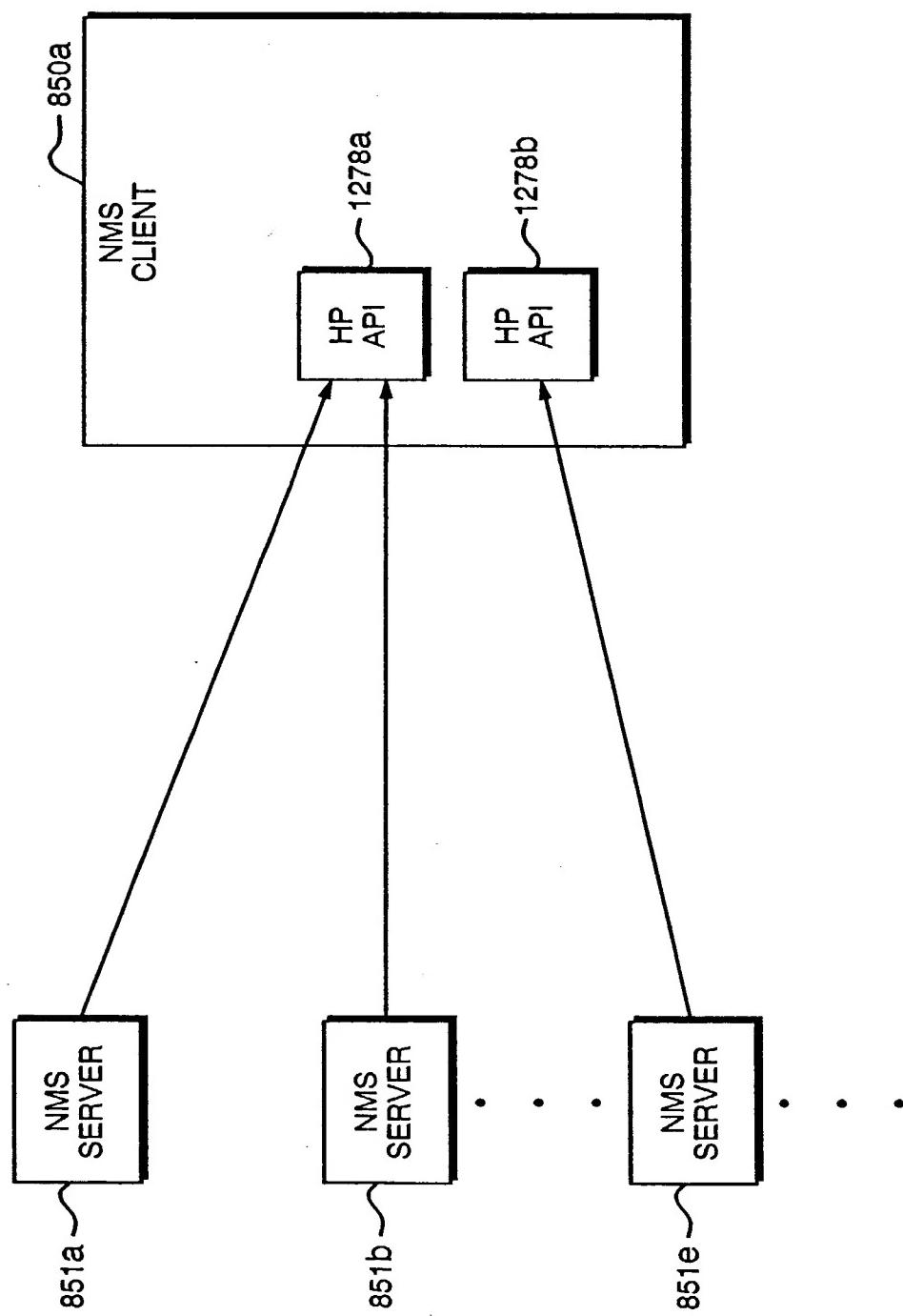


FIG. 2F

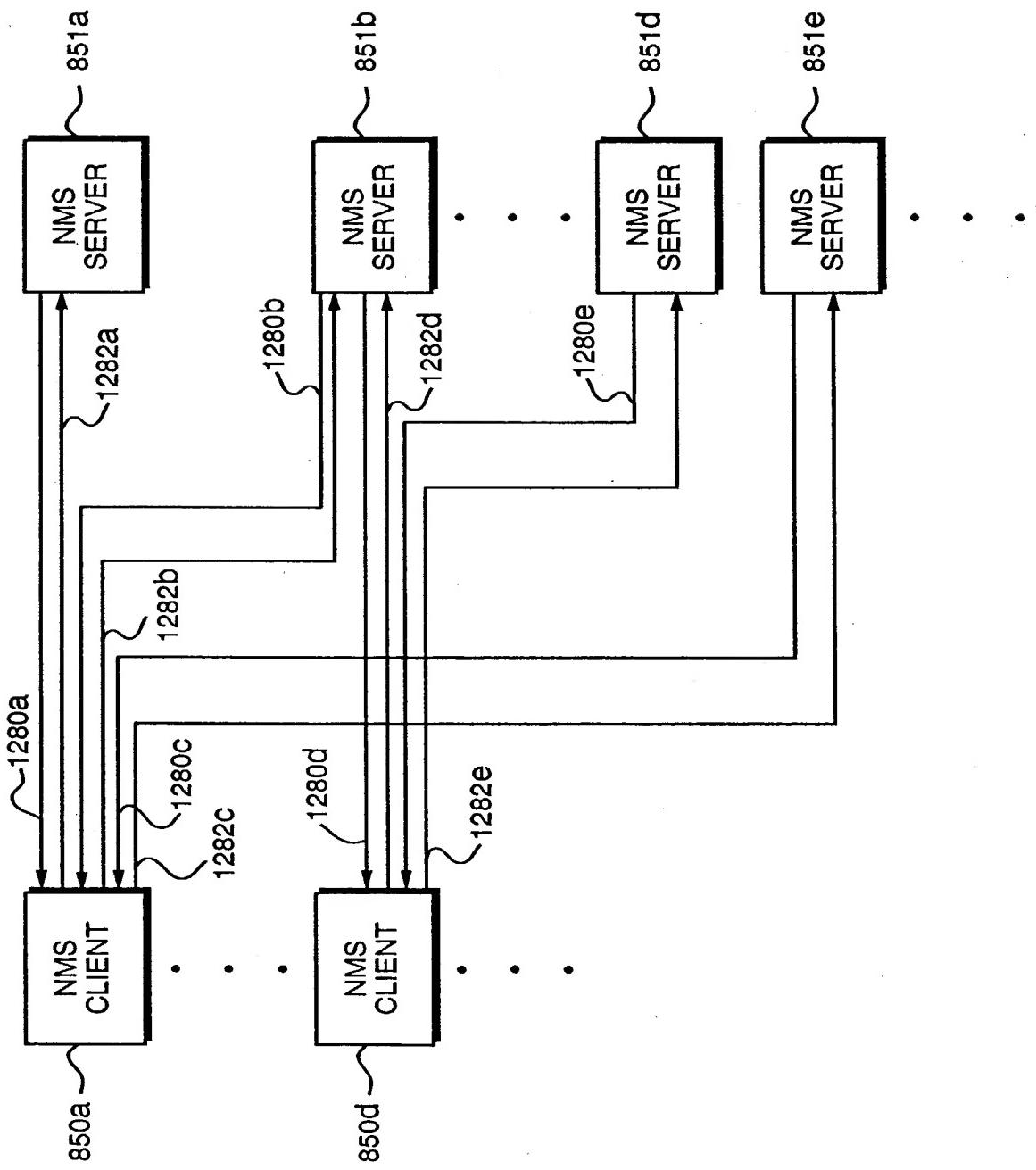


FIG. 2G

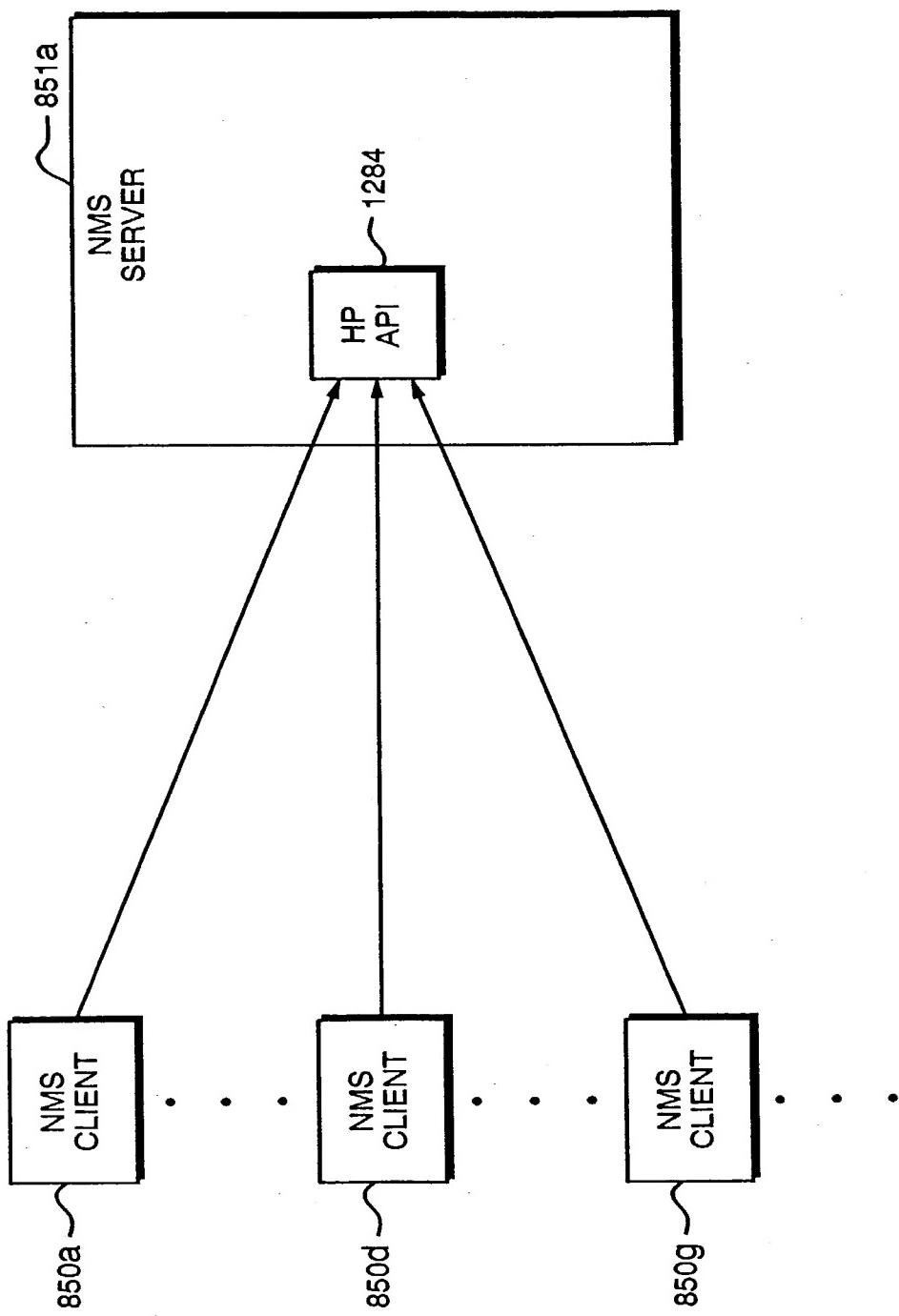


FIG. 2H

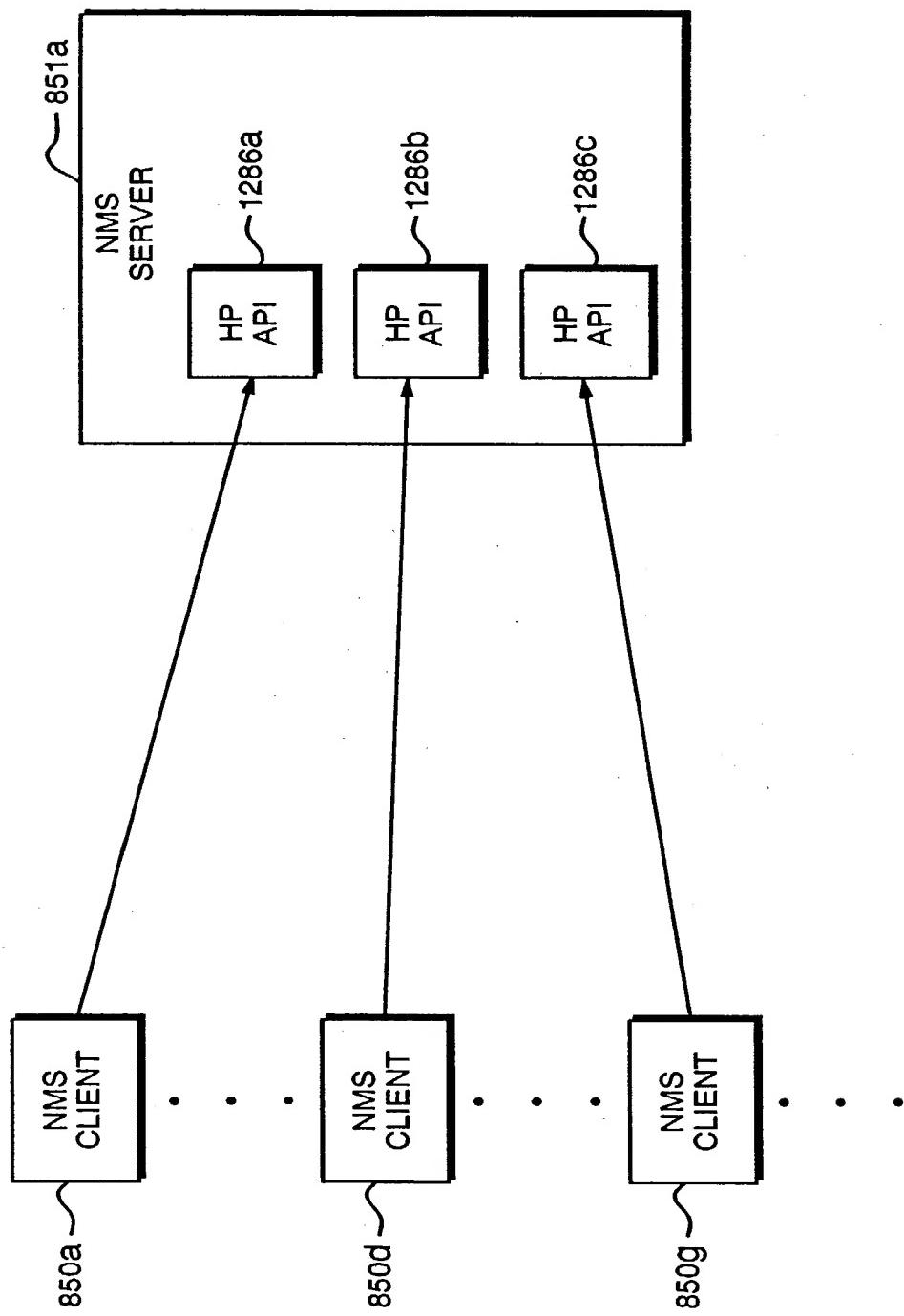


FIG. 2I

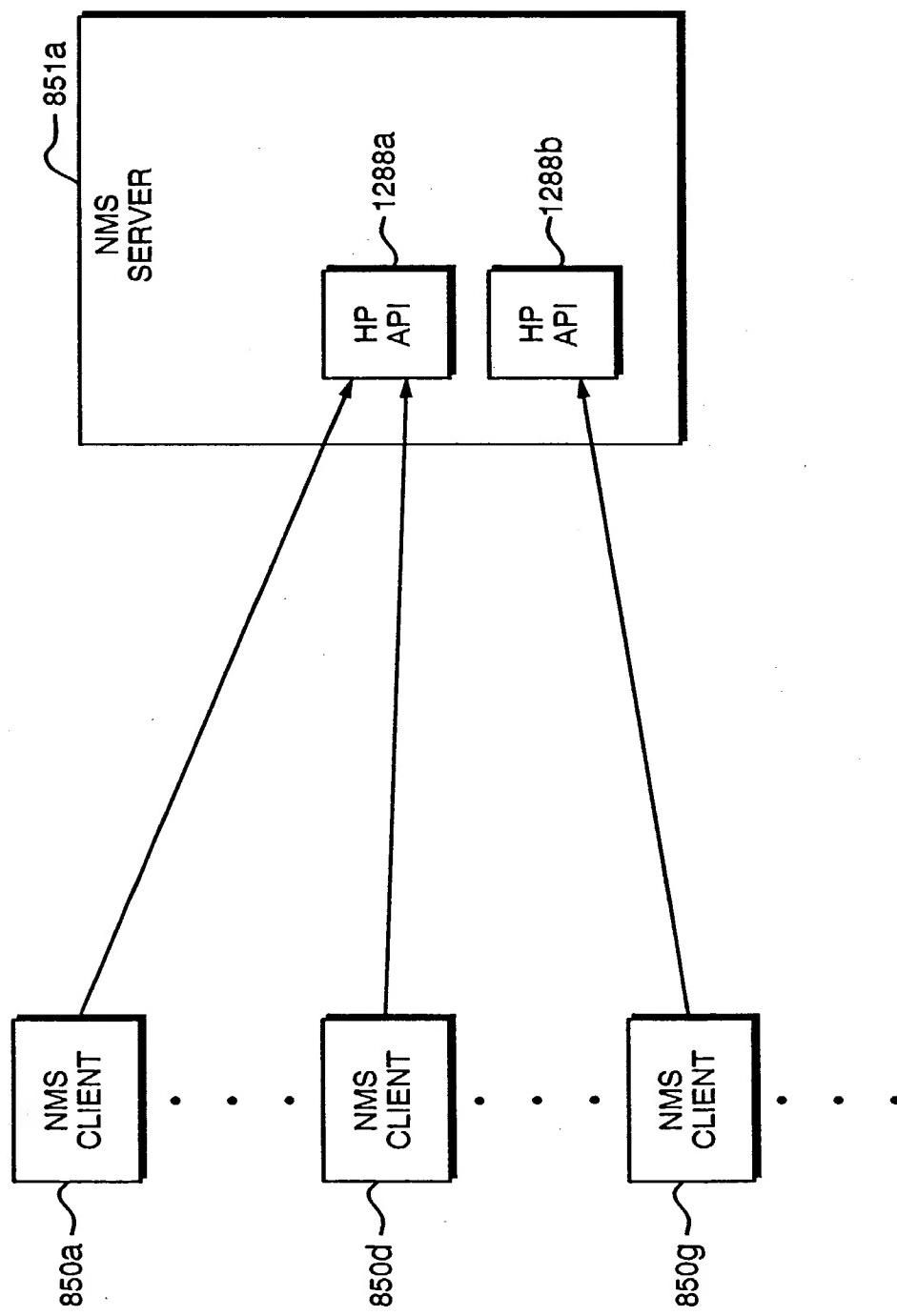


FIG. 2J

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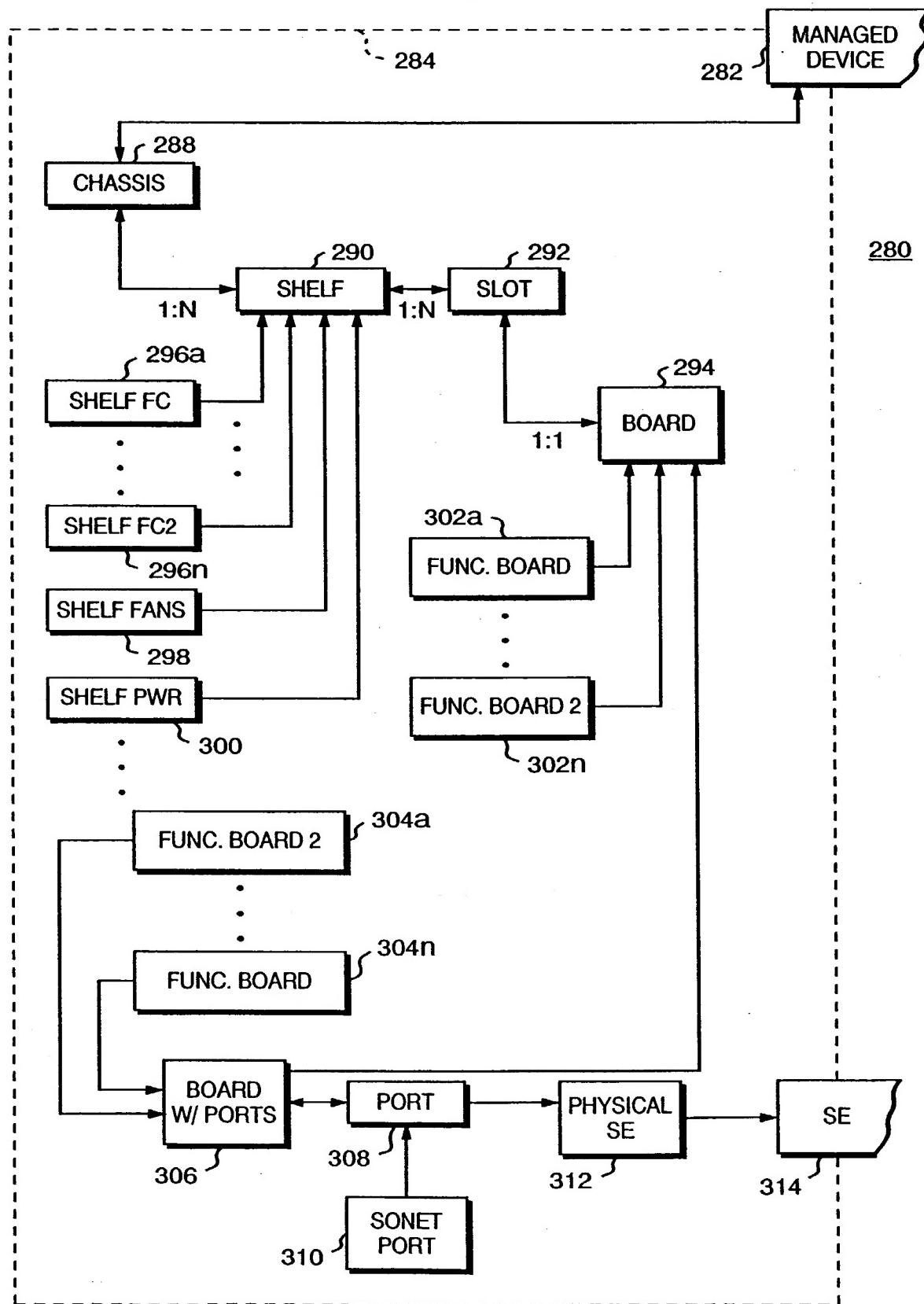


FIG. 3A

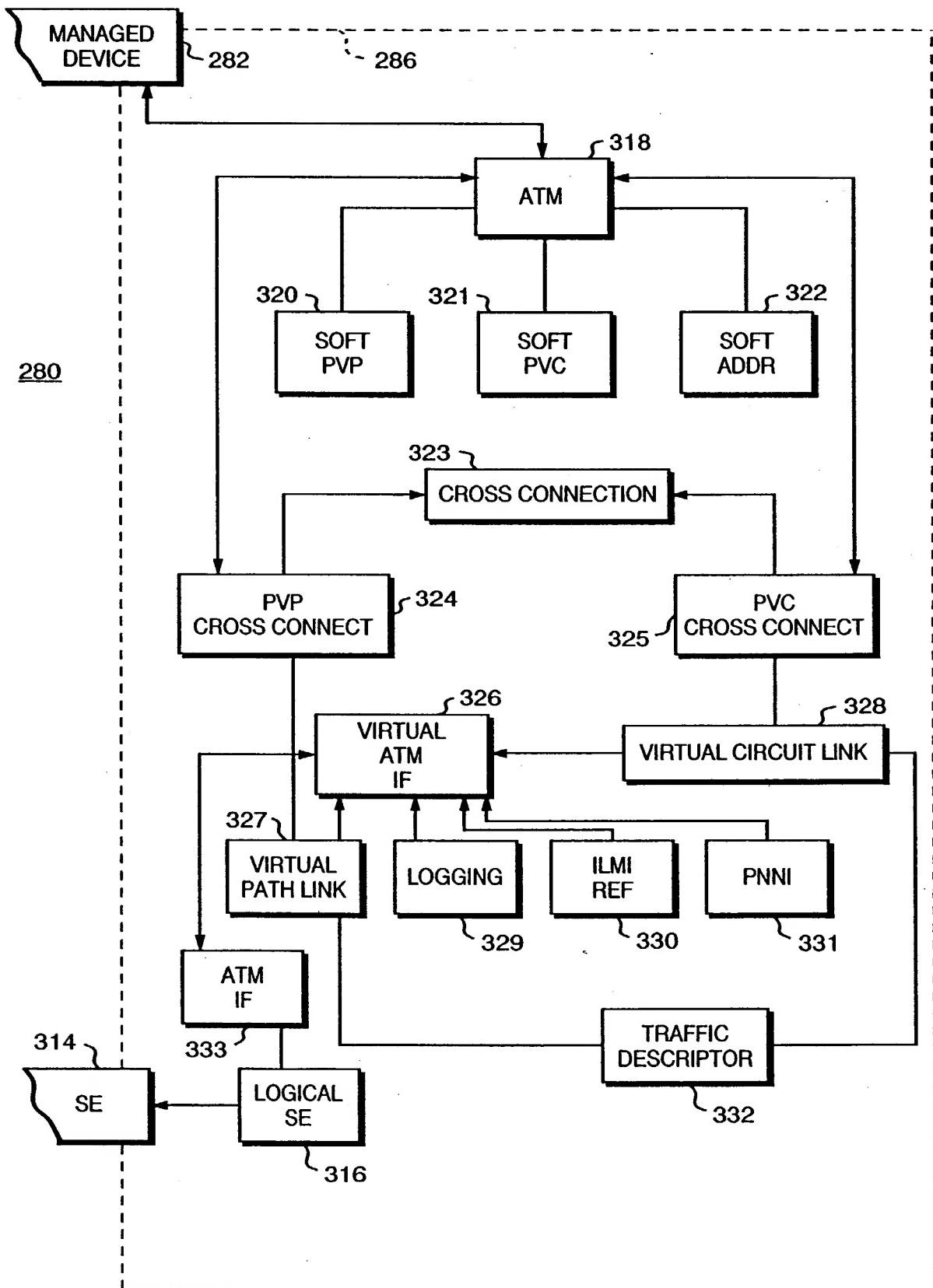


FIG. 3B

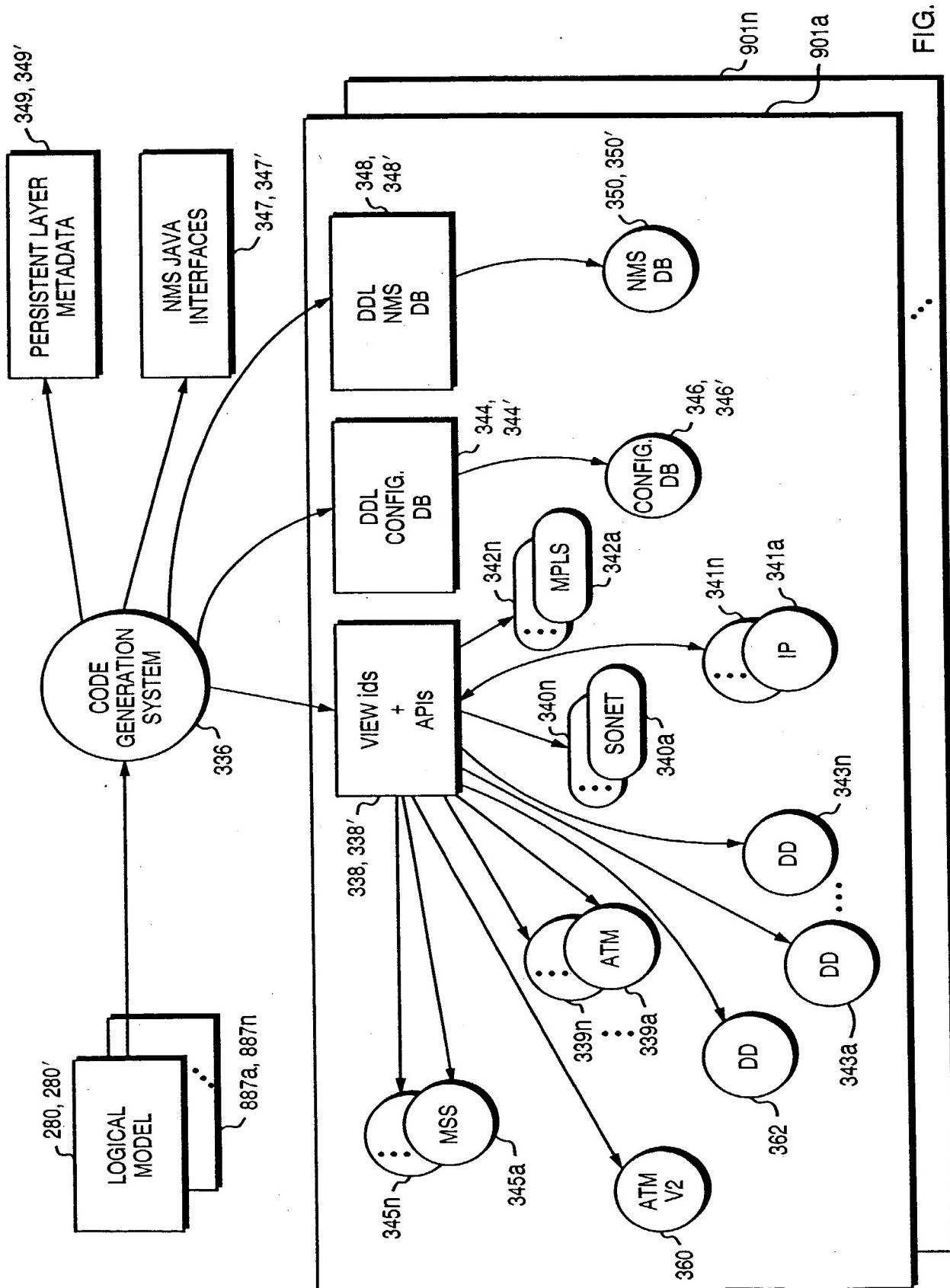


FIG. 3C

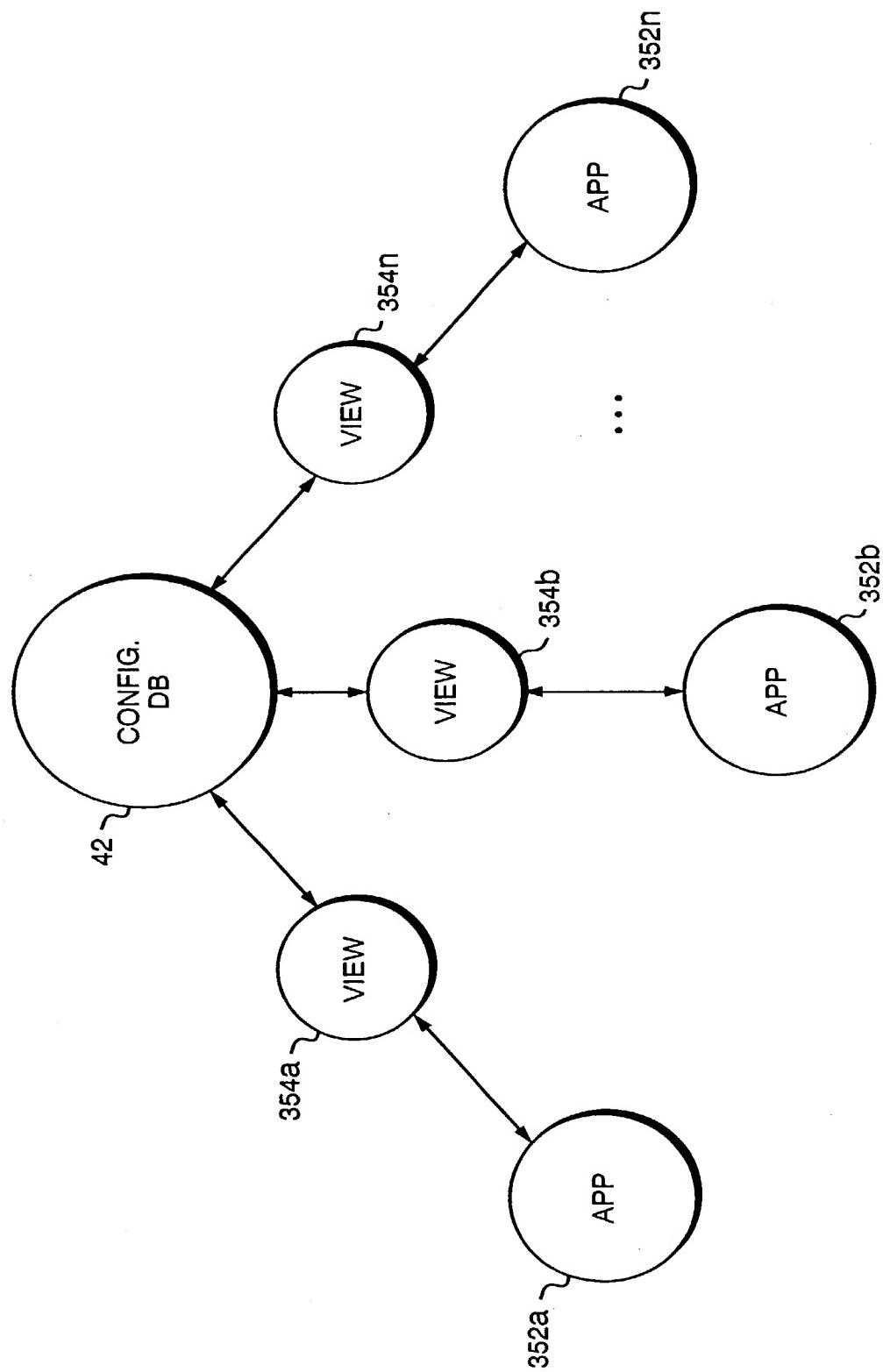


FIG. 3D

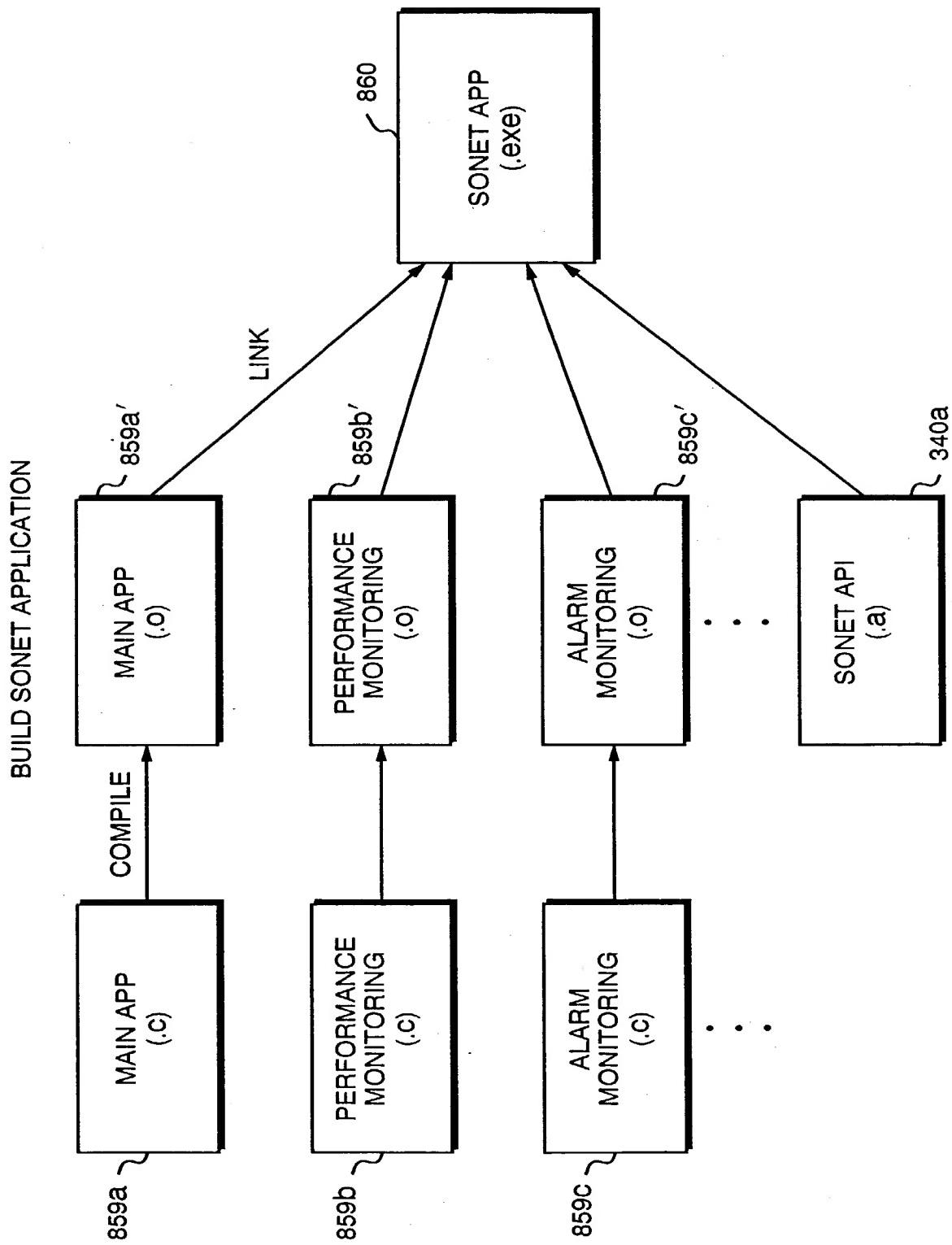


FIG. 3E

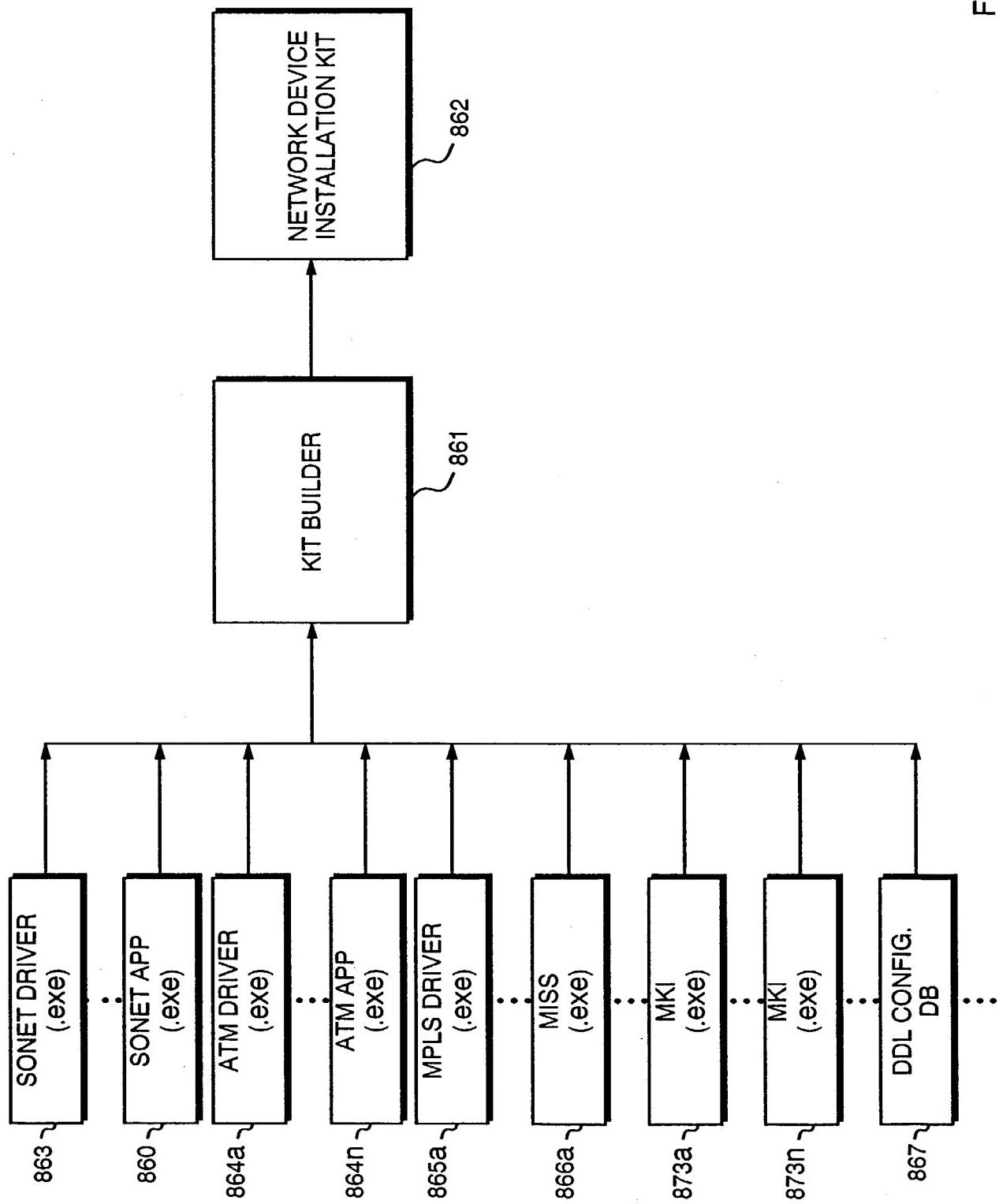


FIG. 3F

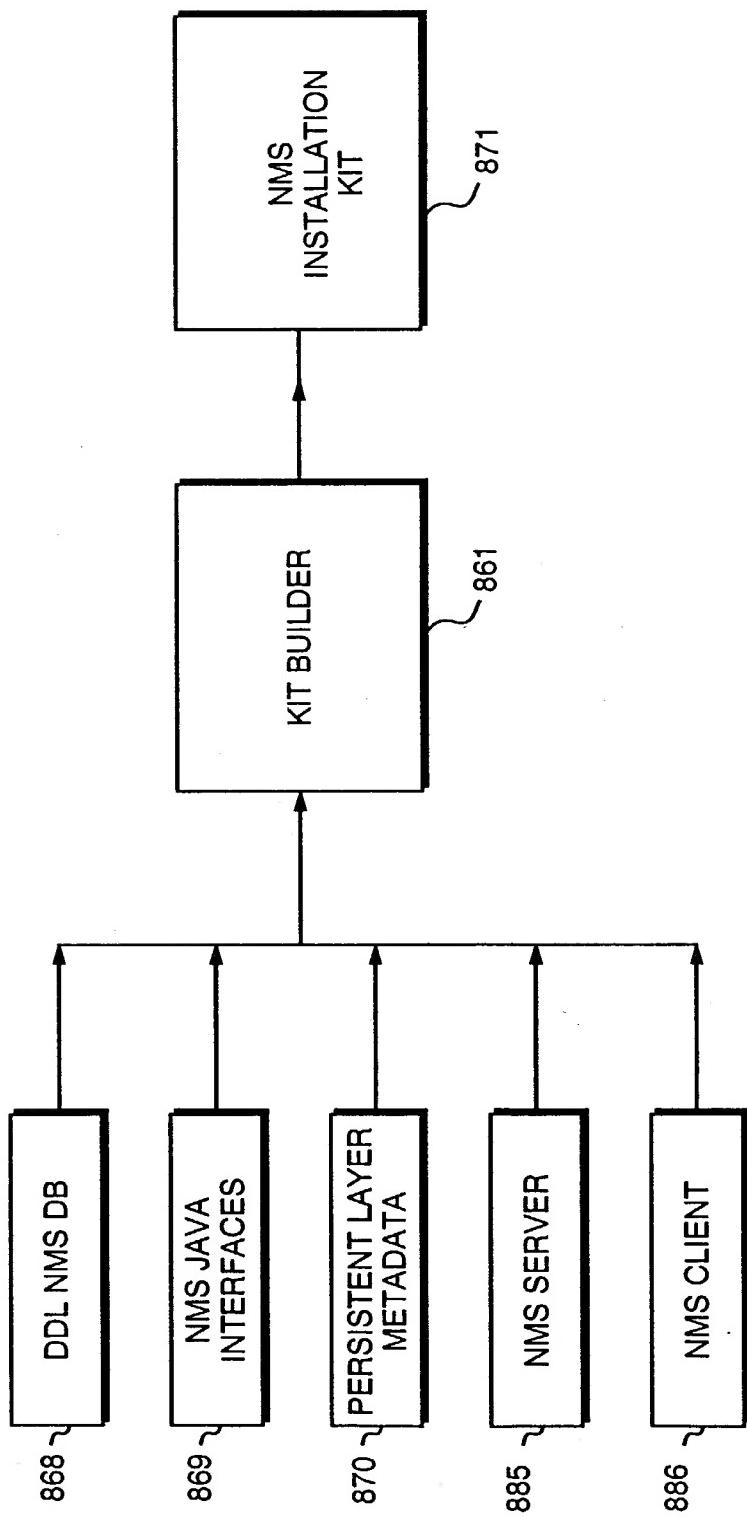


FIG. 3G

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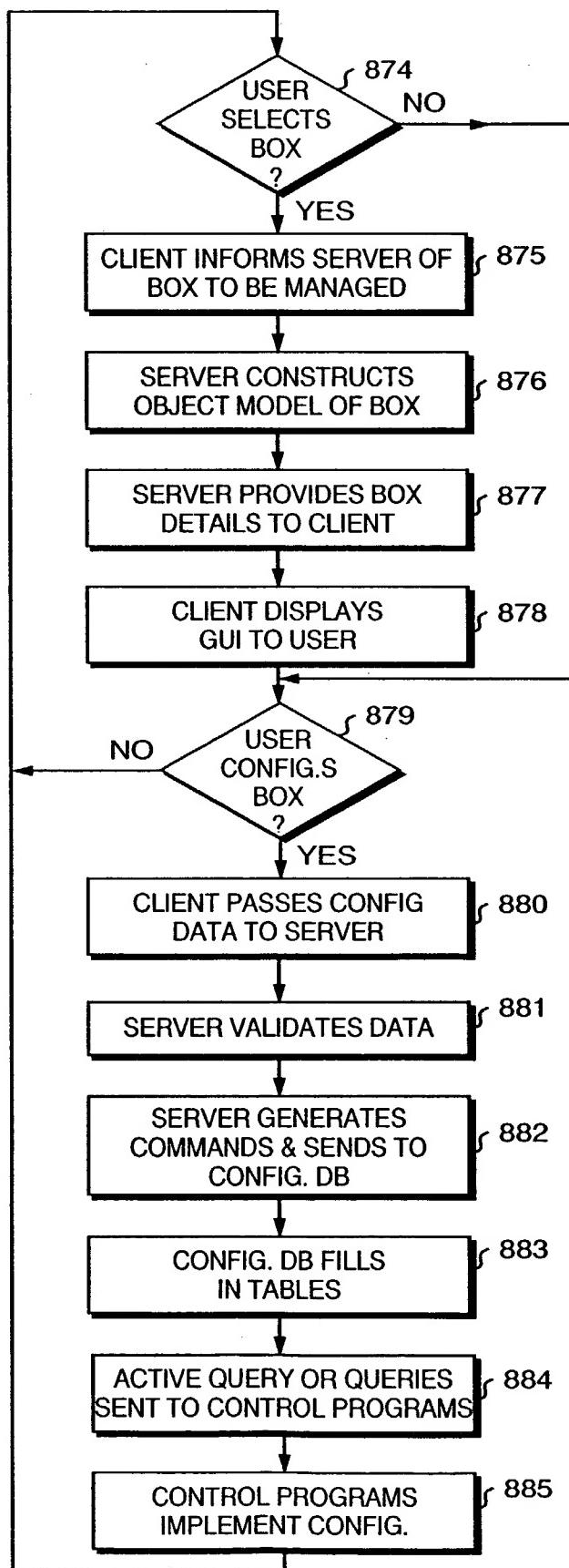


FIG. 3H

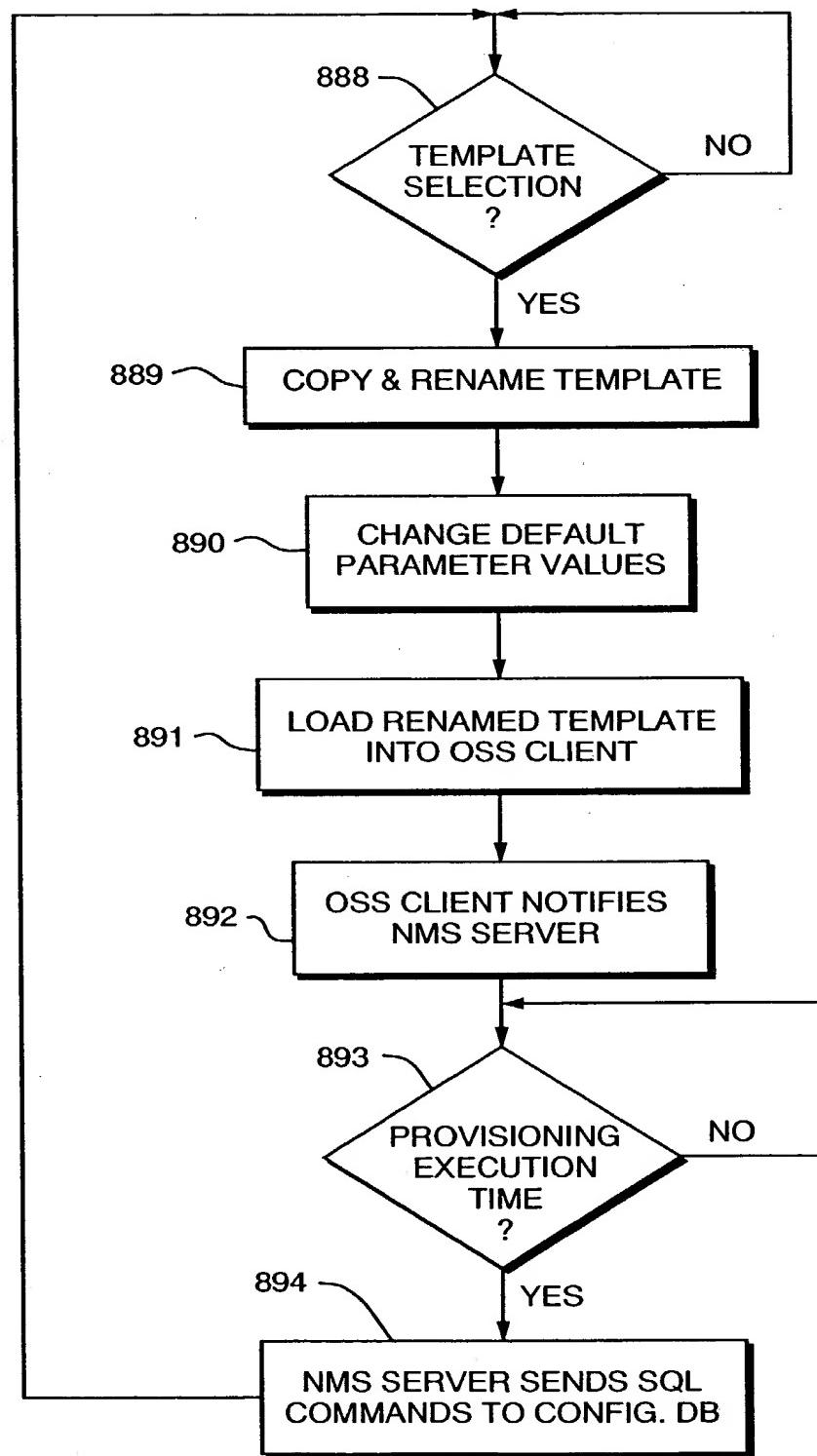


FIG. 3I

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MS Command Prompt [2] - enetcli

```
Enetcli>
Enetcli> help
Commands are:

bye
close
execute
help
load
manage
open
quit
showCurrent
showTemplate
set
status
writeCurrent
writeTemplate
Enetcli>
Enetcli>
Enetcli> showCurrent SPATH
```

912 {

913 {

914 {

TO FIG. 3K

FIG. 3J

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FROM FIG. 3J

915 {
ATMIfName=ATMIf11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator/Create
PortID=1
Position=1
Service=ATM
ShelfID-11
SlotID=1
Type=Terminated
Version=V1_1_Ø_Ø
Width=STS3
Enetcli>
Enetcli>
Enetcli>

916 {
Enetcli> showTemplate SPATH
ATMIfName=<String>[TerminatedOnly]
Concatenated=<true:false>
Name=<String>
Operant=SPATH
Operator=<Create:Replace:Update:Delete>
PortID=<Integer><1-16>
Position=<Integer>
Service=<None :ATM>
ShelfID=<11[top],13[bottom]>
SlotID=<Integer><1-8>
Type=<switched :Terminated>
Version=V1_1_Ø_Ø
Width=<STS1:STS3:STS12:STS48
Enetcli>
Enetcli>

917 {
Enetcli> status

919 {
Not currently connected to server

920 {
Supporting templates: CONTROL, PVC, SPATH, SPVC, TD, and VAIF
Enetcli>

FIG. 3K

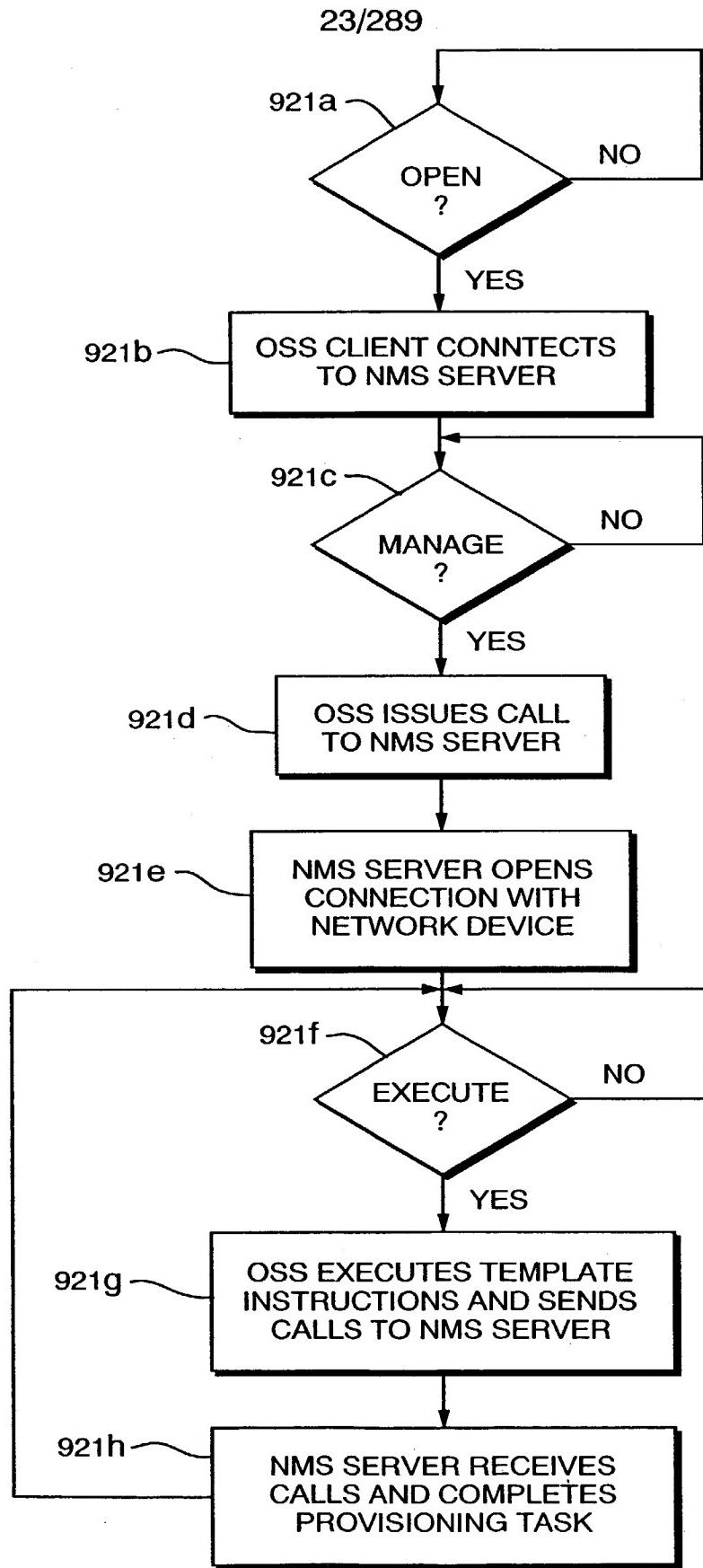


FIG. 3L

MS Command Prompt [2] - enetcli

```
Enetcli>
922 ~ Enetcli> showCurrent CONTROL
      input=Q:\nms\com\equipecom\nms\utils\enetcli
      Interactive=false
      Operant=CONTROL
923d ~ Operator=Manage
923f ~ Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c ~ Password=None
923e ~ System=192.168.9.202
923b ~ User=None
923g ~ Version=V1_1_Ø_Ø
923a ~ Server=localhost
Enetcli>
```

FIG. 3M

BATCH
924

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
924a ~ TASK1=execute-SPATH
924b ~ TASK2=execute-PVC
924c ~ TASK3=execute-SPVC
924d ~ TASK4=load-SPVC-spvc1
924e ~ TASK5=execute-SPVC
924f ~ TASK6=load-SPVC-spvc2
924e ~ TASK7=execute-SPVC
•
•
924g ~ TASK50=set-SPATH-PortID-3
924h ~ TASK51=execute-SPATH
924i ~ TASK52=set-SPATH-SlotID-2
924j ~ TASK53=execute-SPATH

FIG. 3N

925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0

925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
•
•
•
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
•
•
•
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
•
•
•

FIG. 30

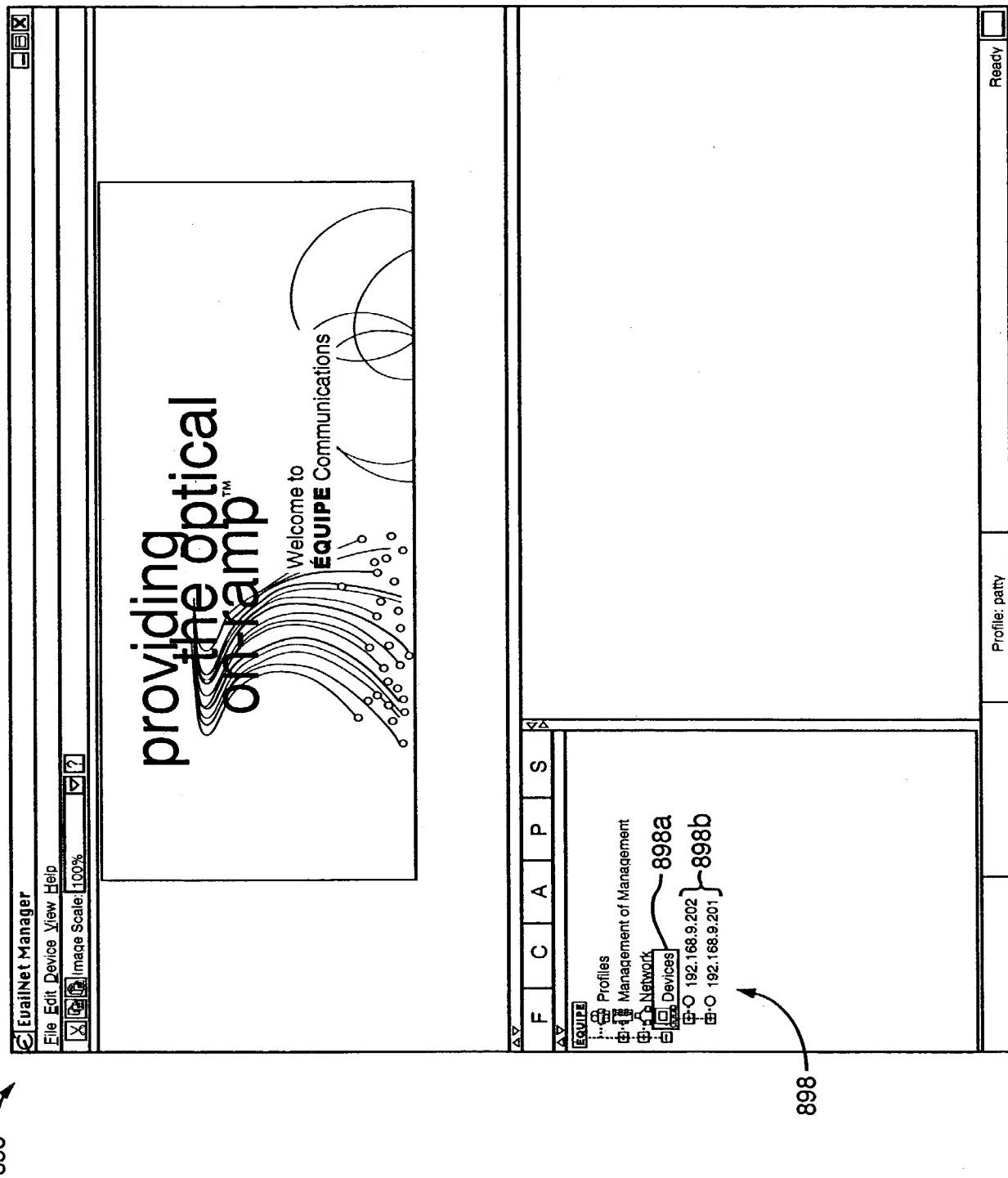


FIG. 4A

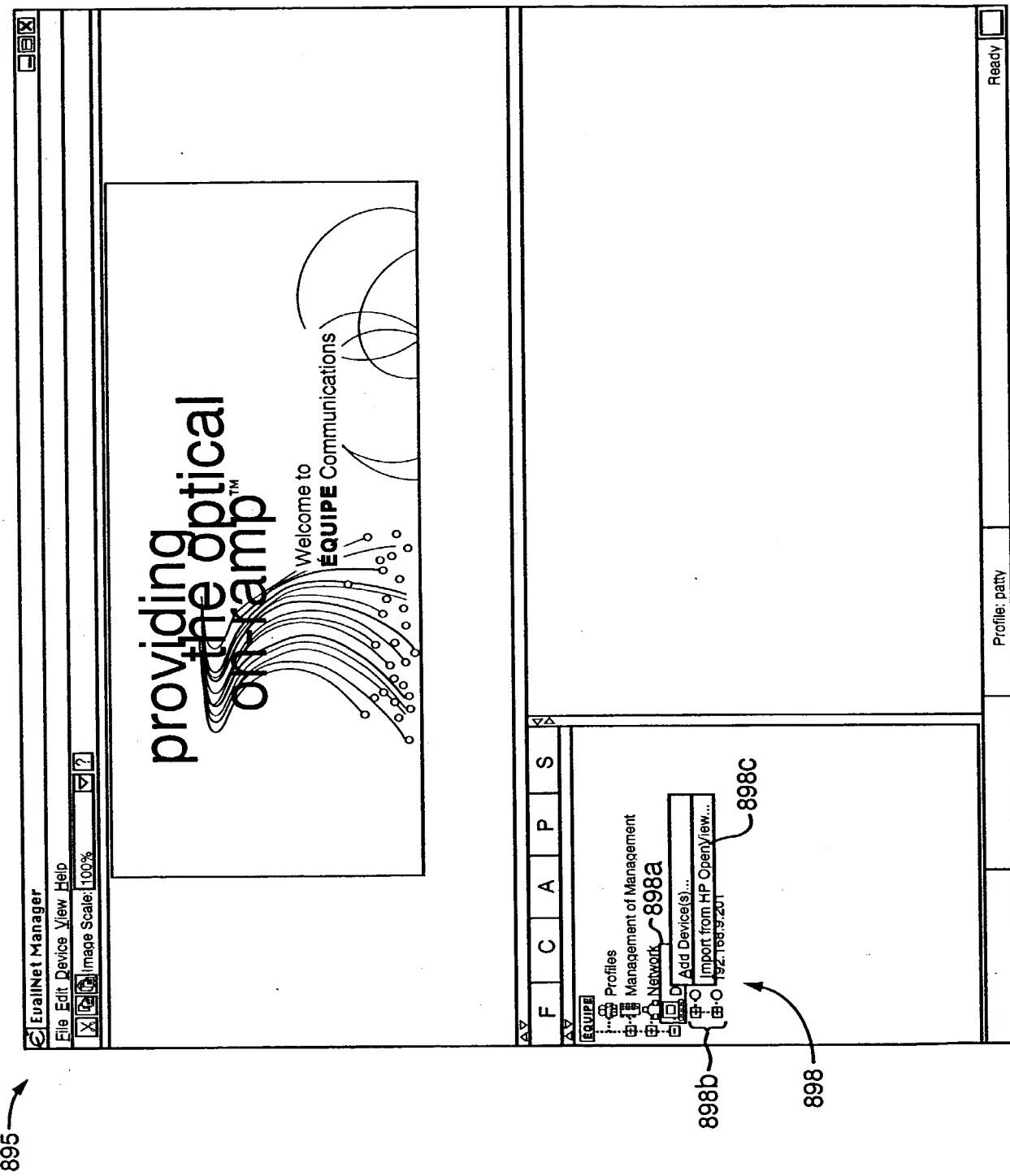


FIG. 4B

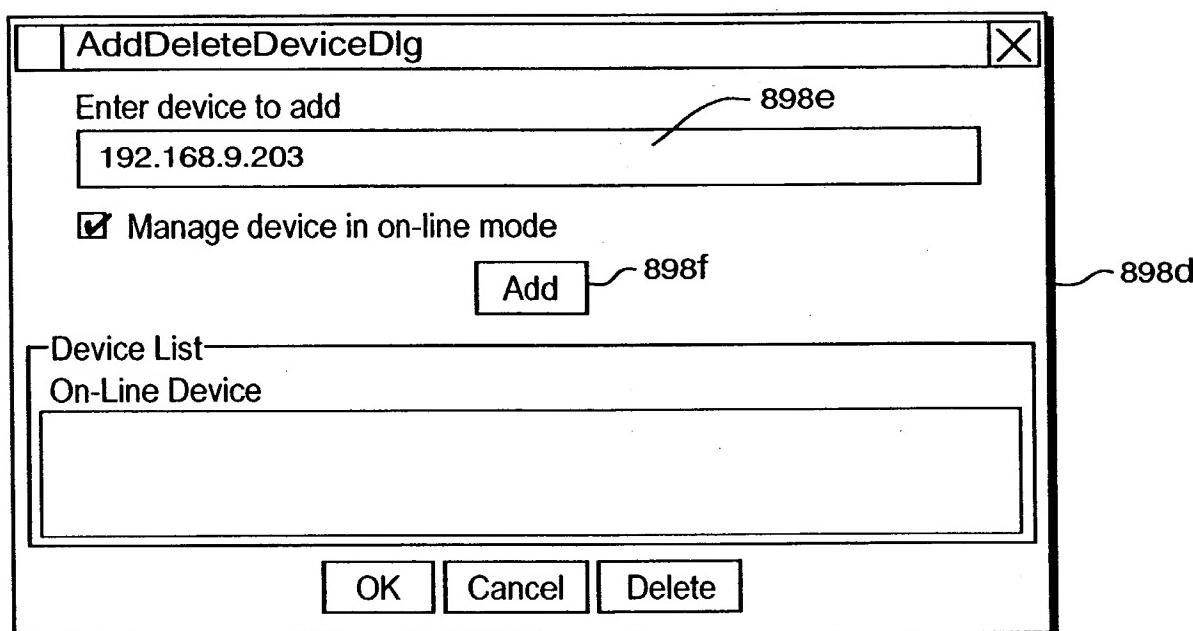


FIG. 4C

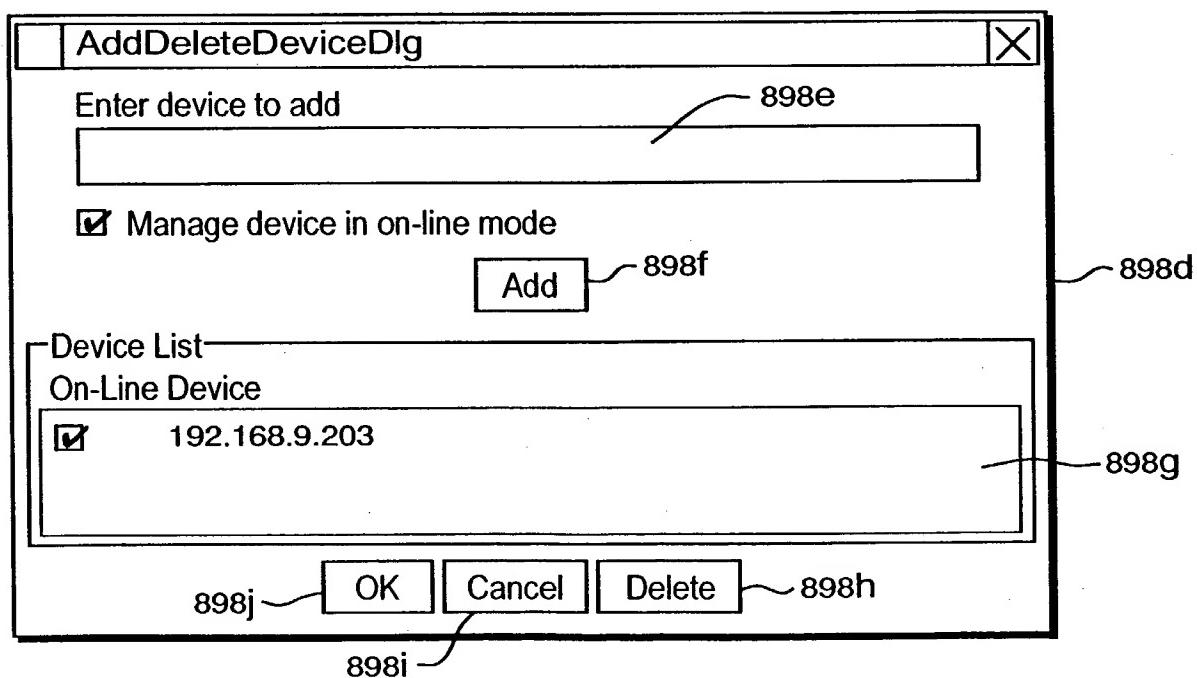


FIG. 4D

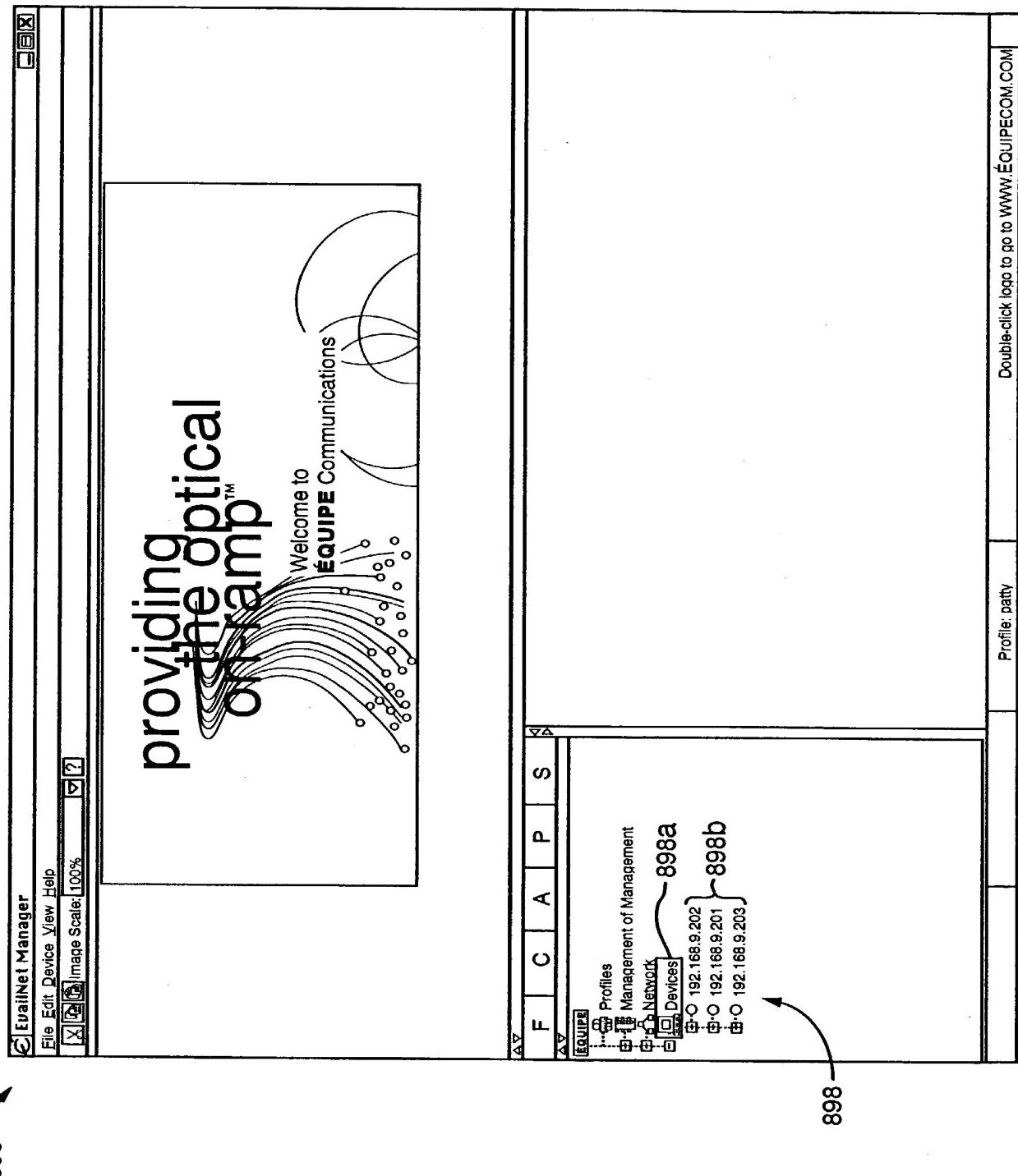


FIG. 4E

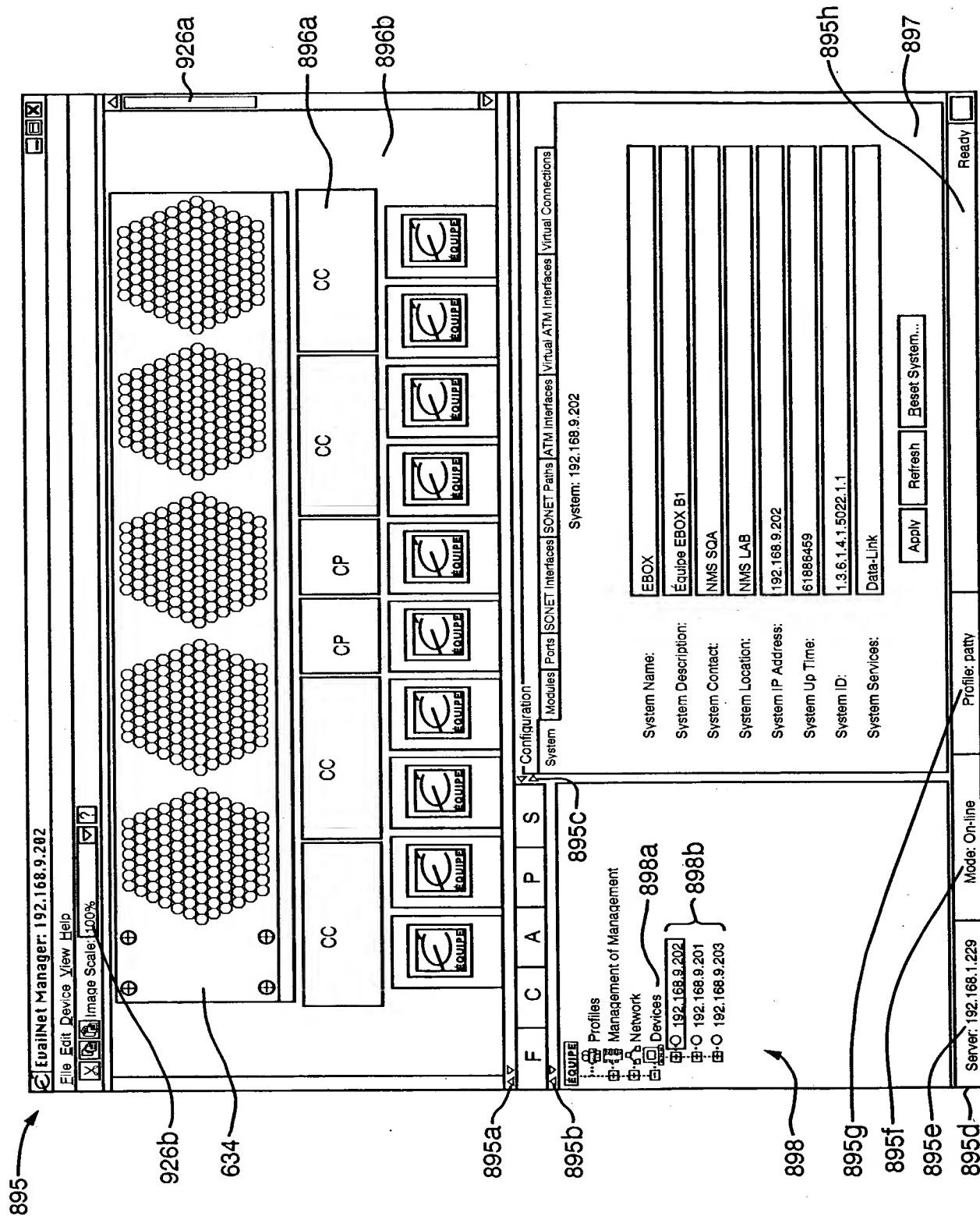


FIG. 4F

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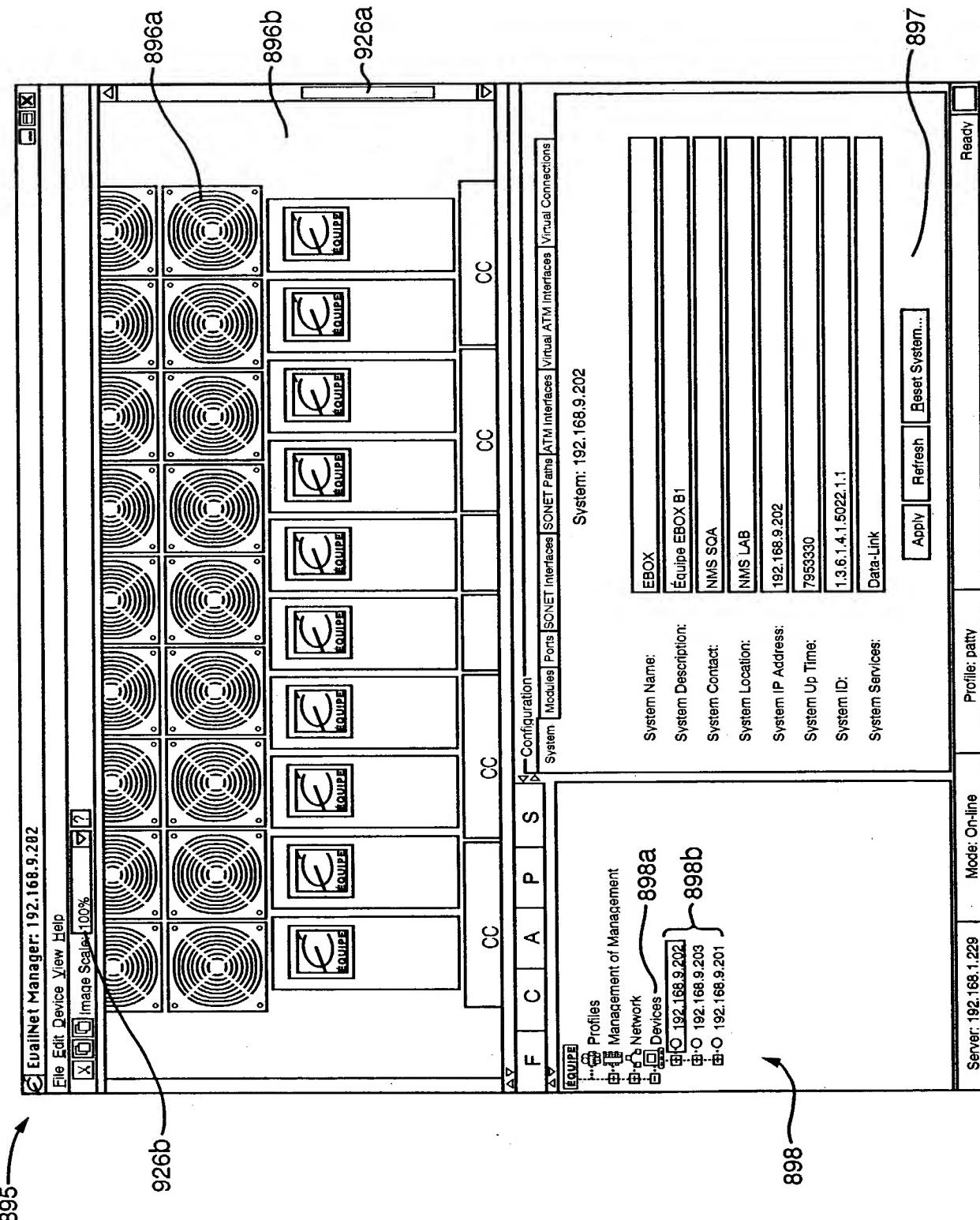


FIG. 4G

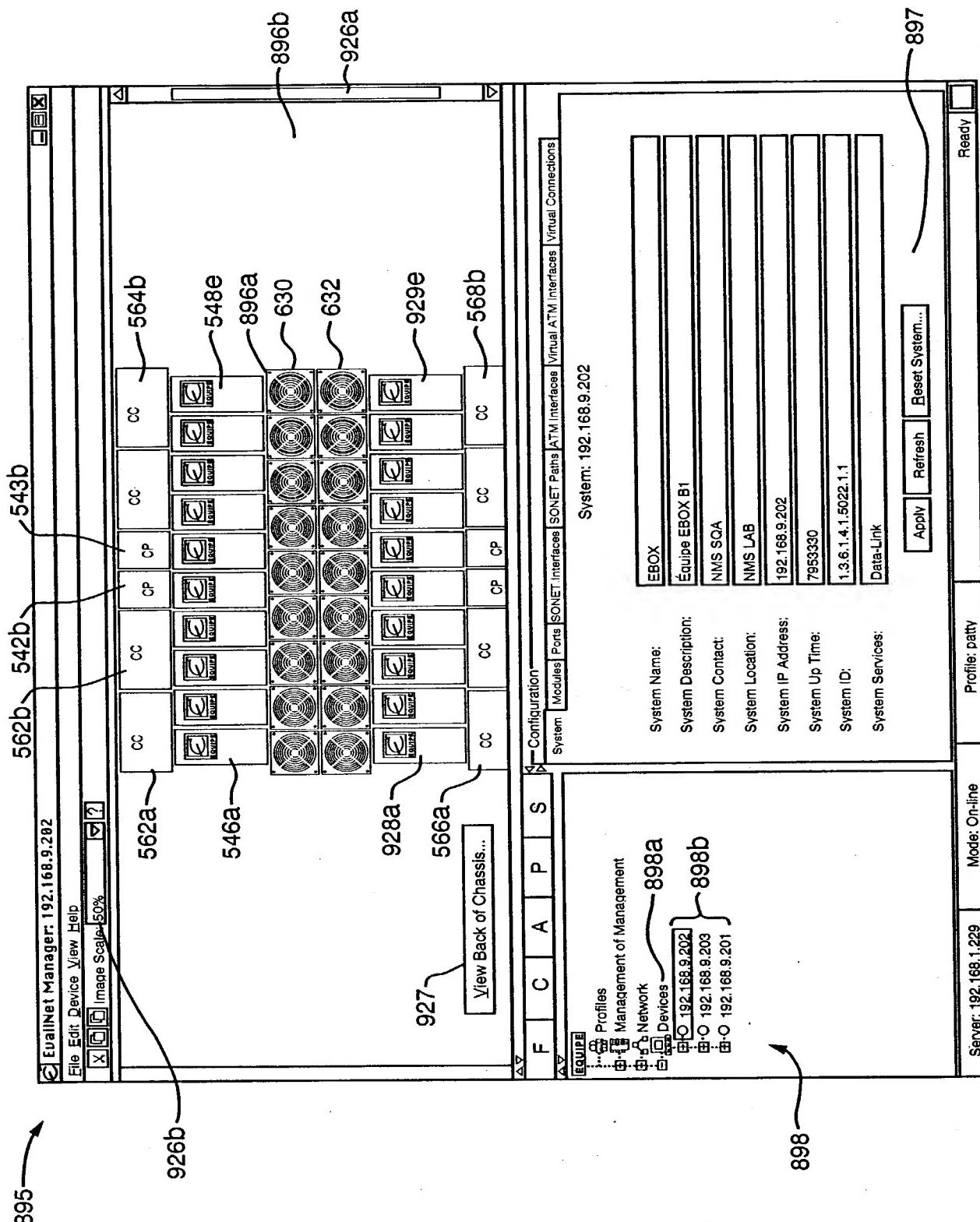


FIG. 4H

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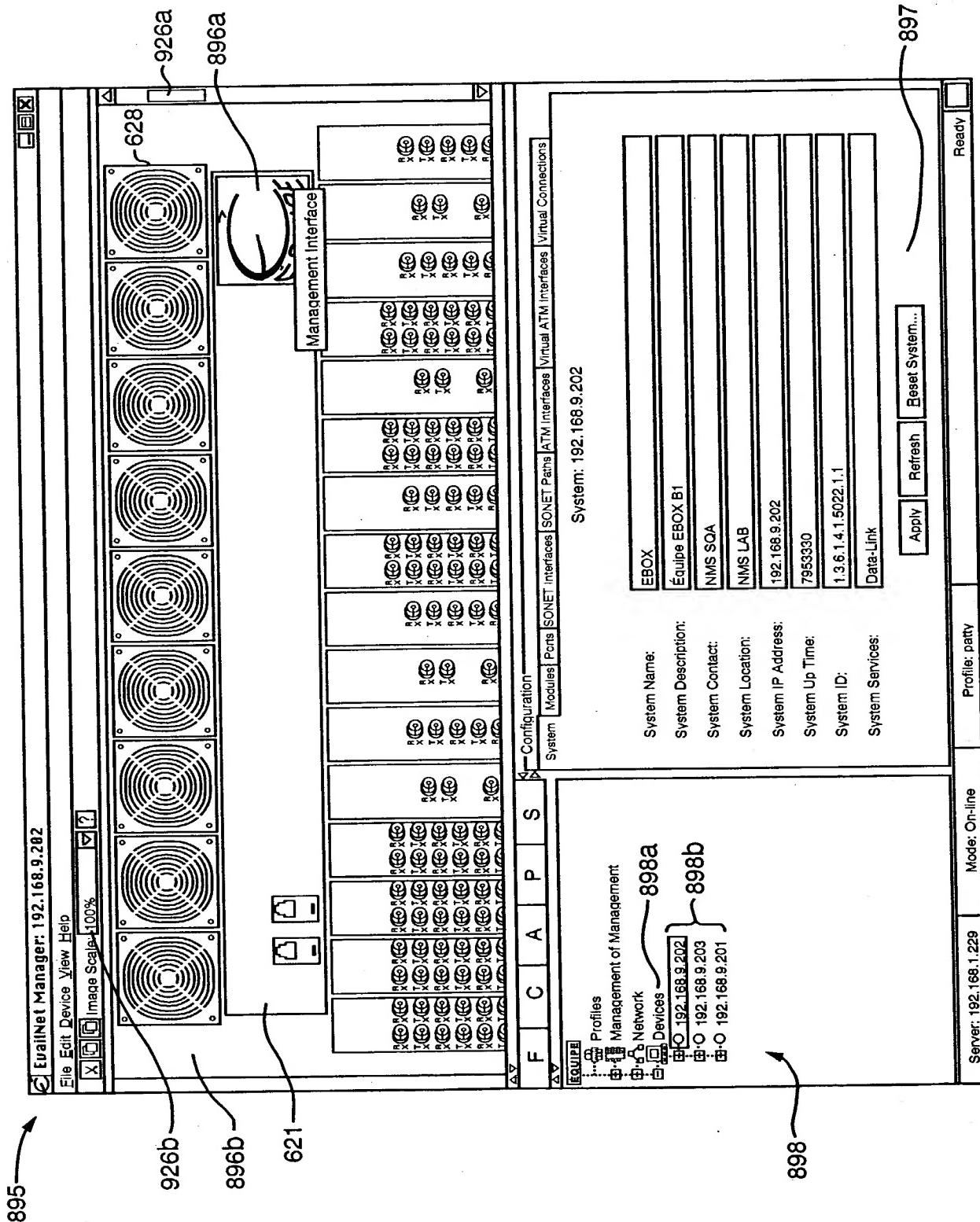


FIG. 4|

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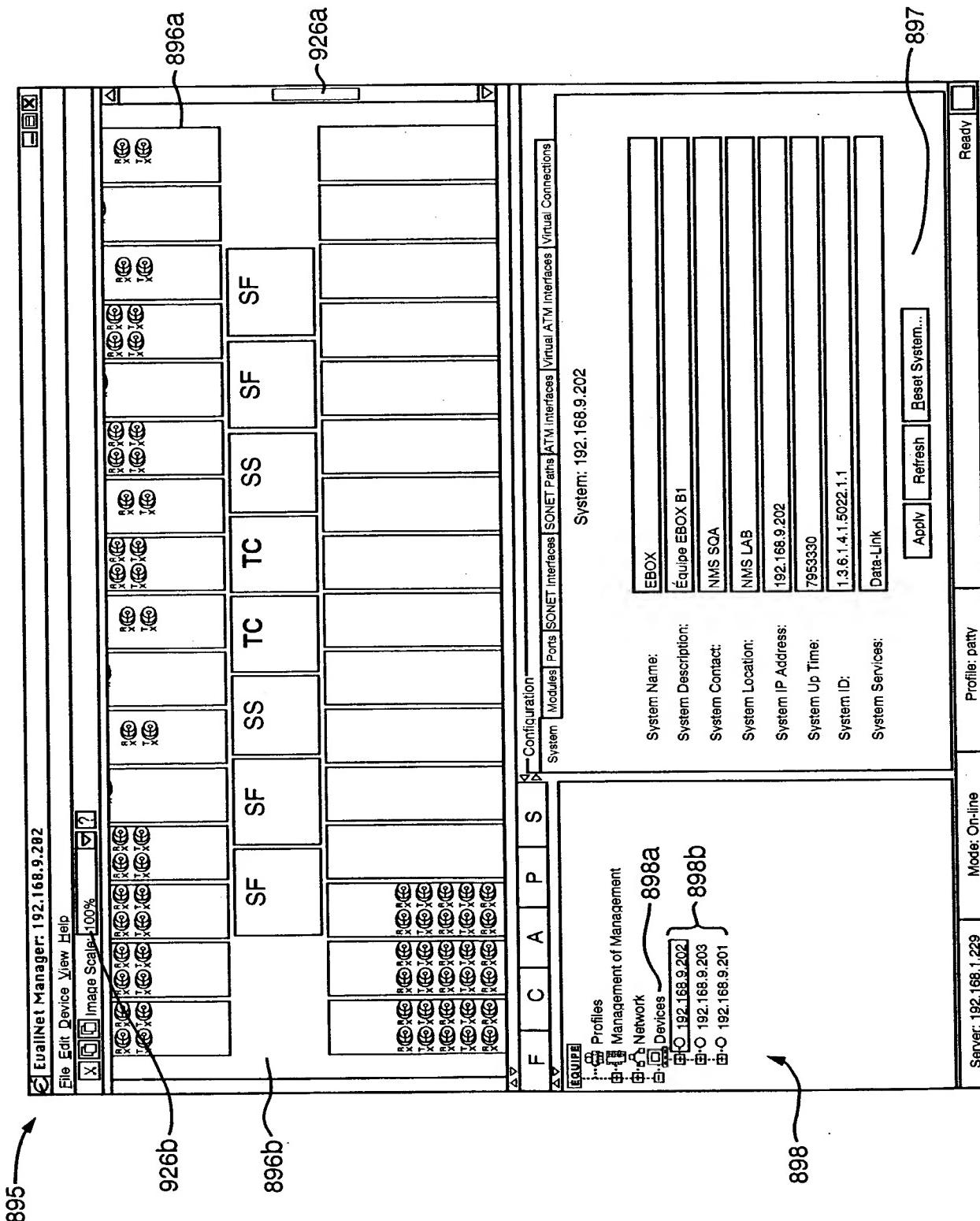


FIG. 4J

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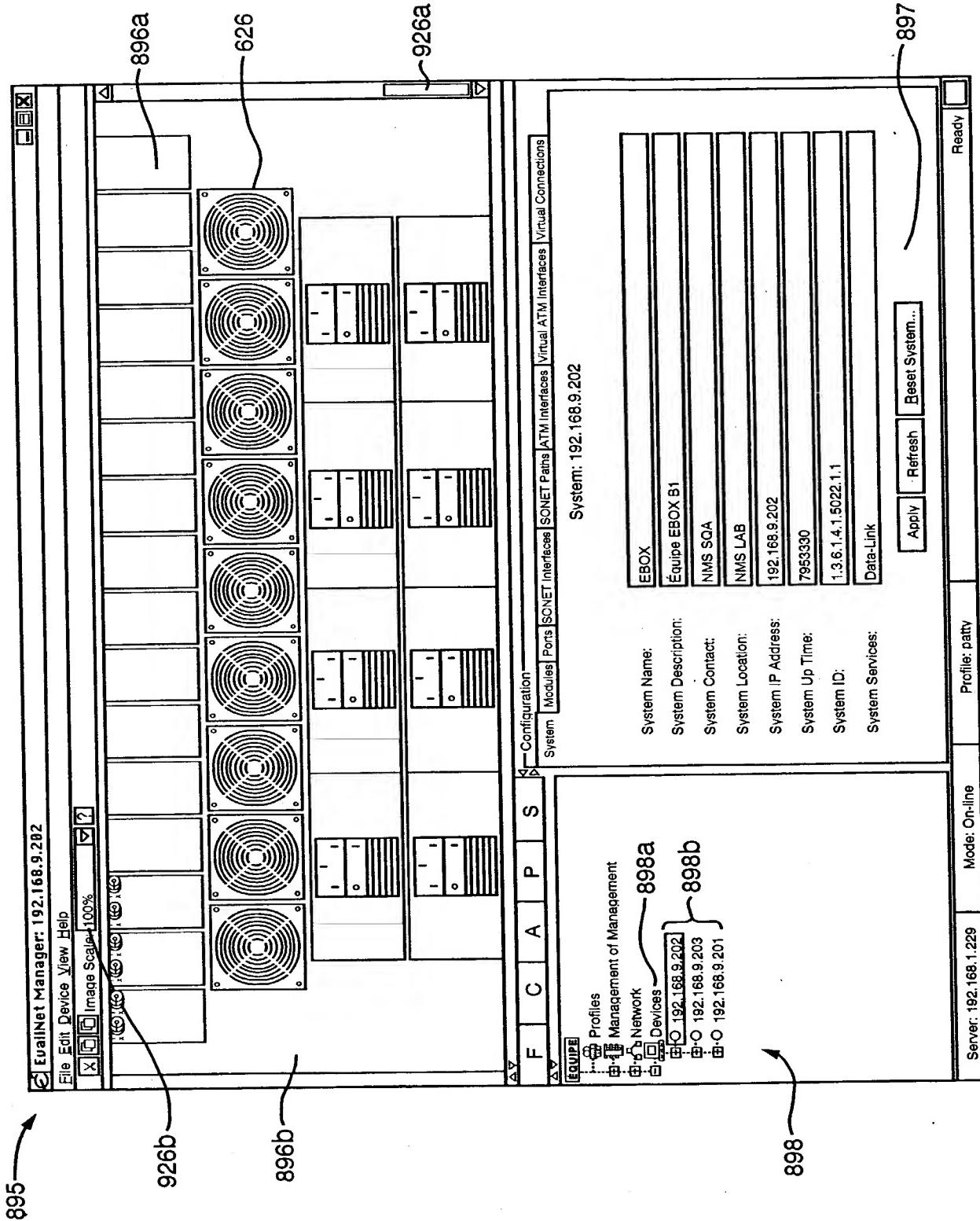
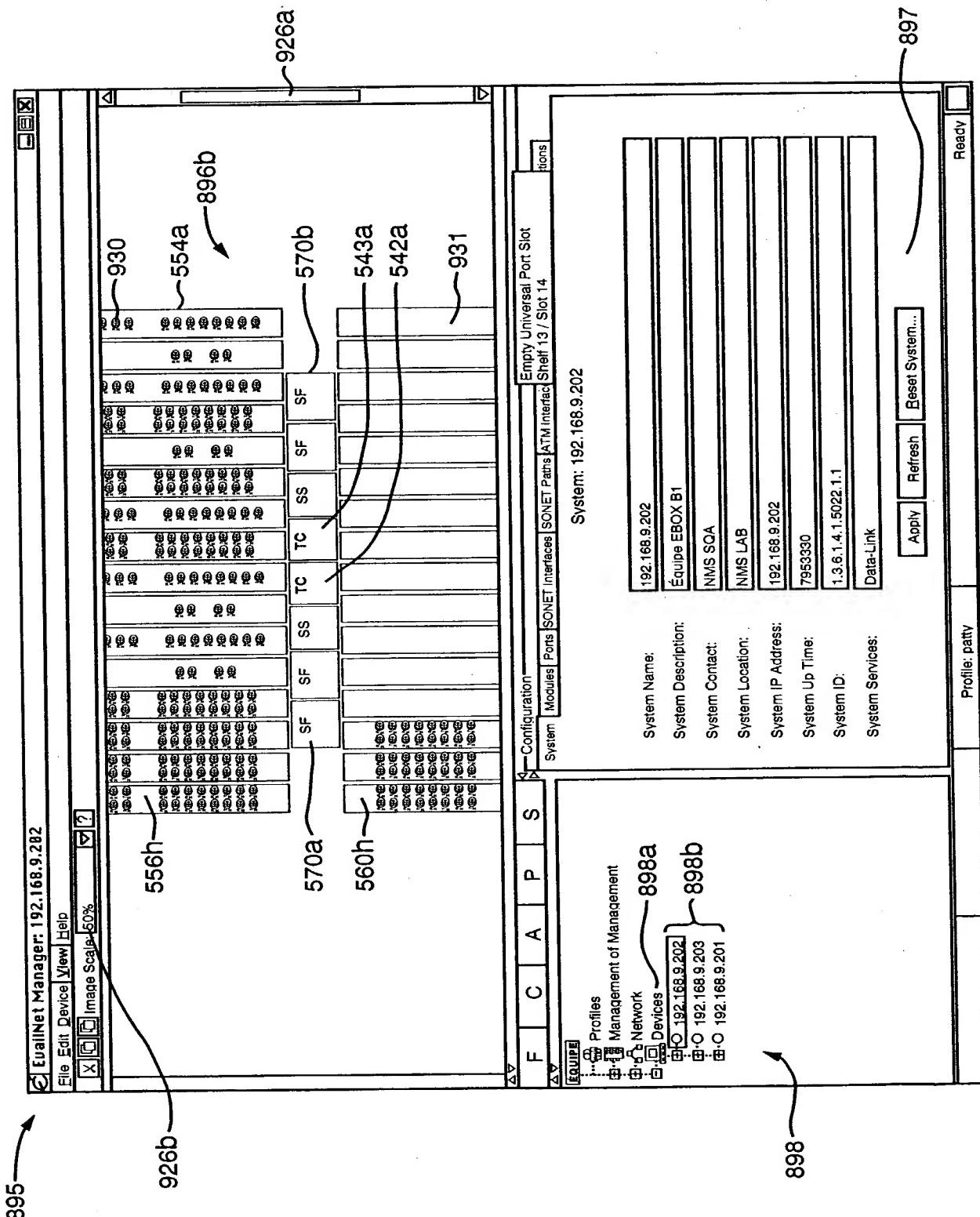


FIG. 4K



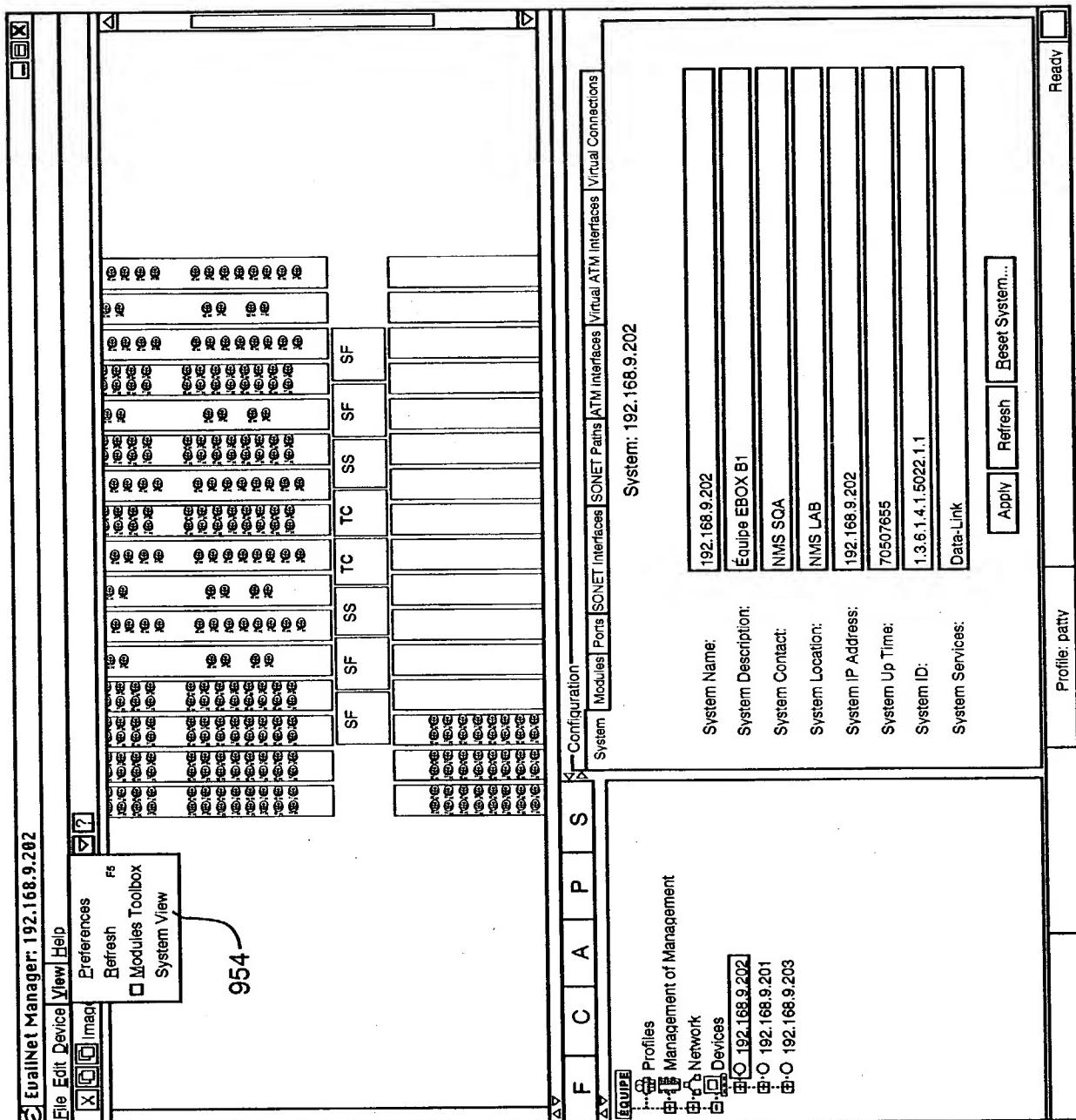


FIG. 4M

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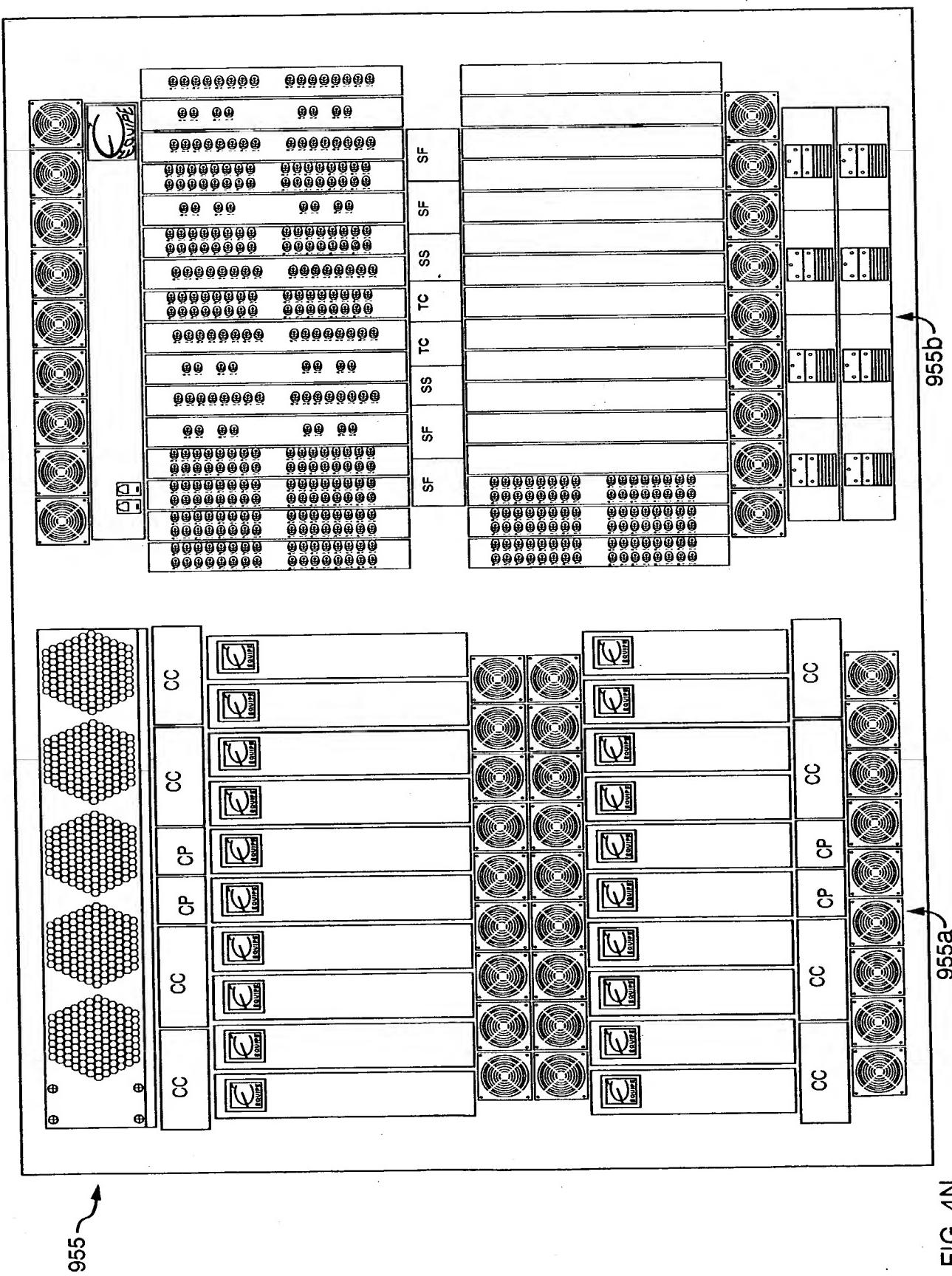


FIG. 4N

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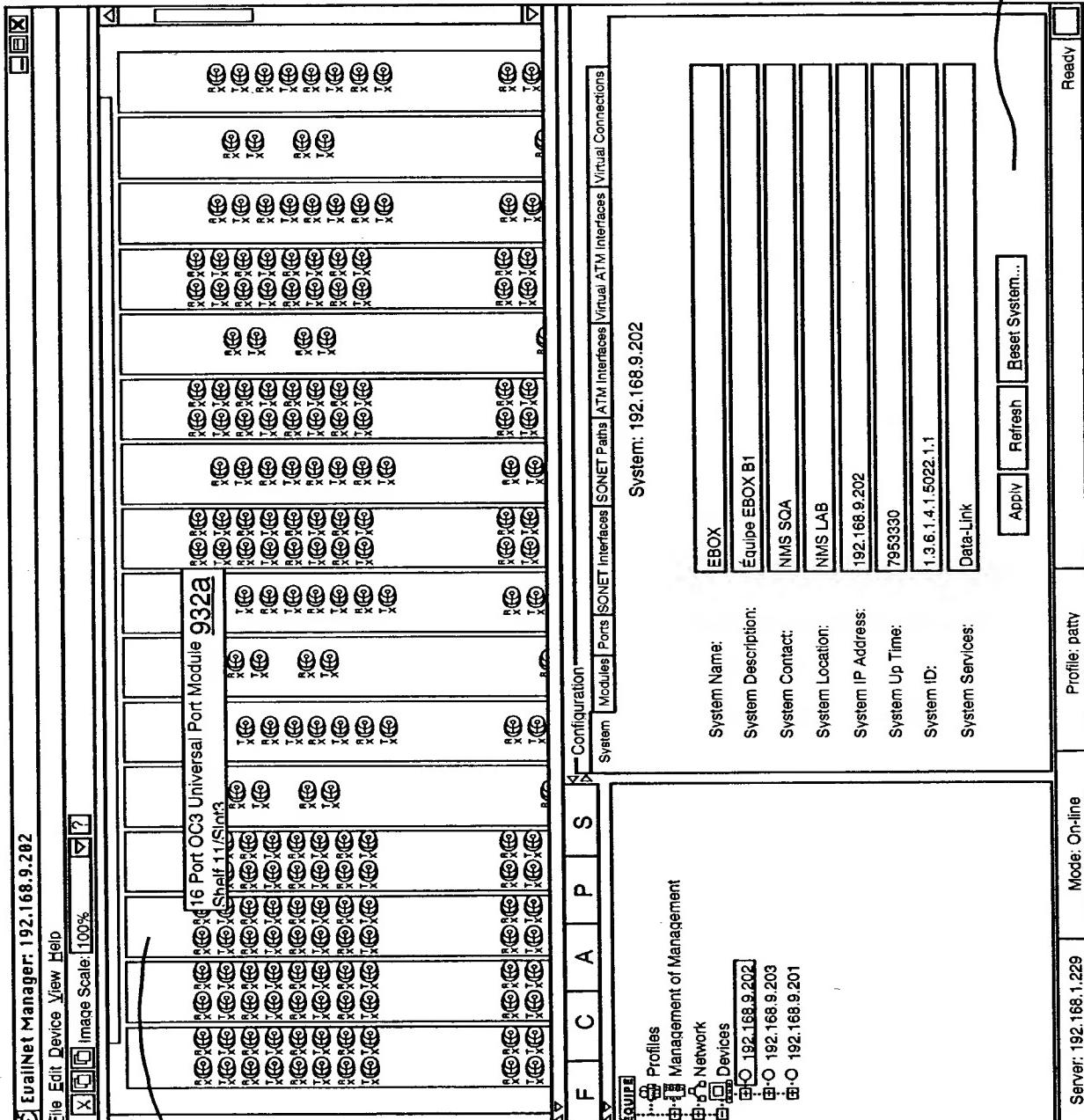


FIG. 40

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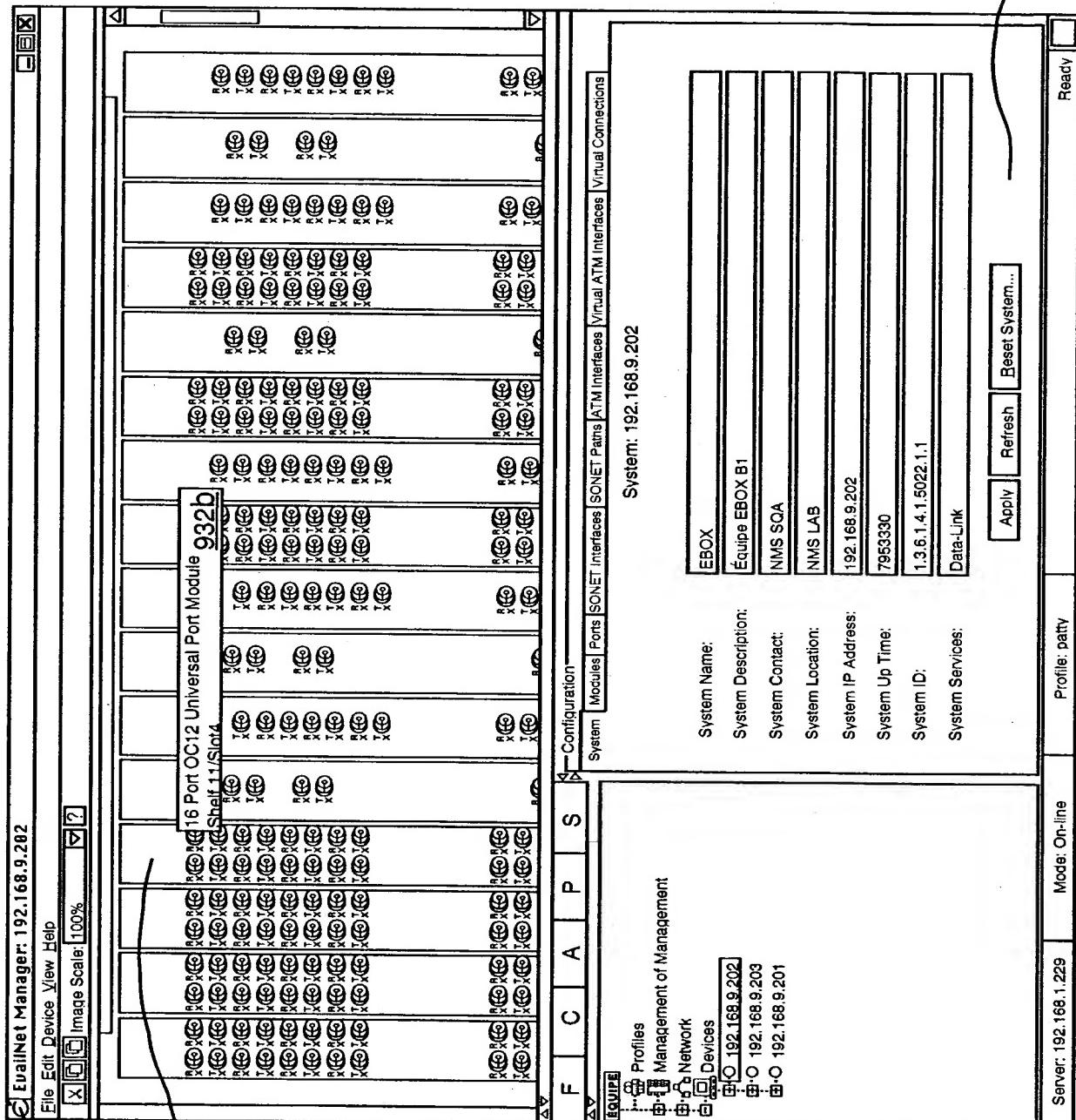


FIG. 4P

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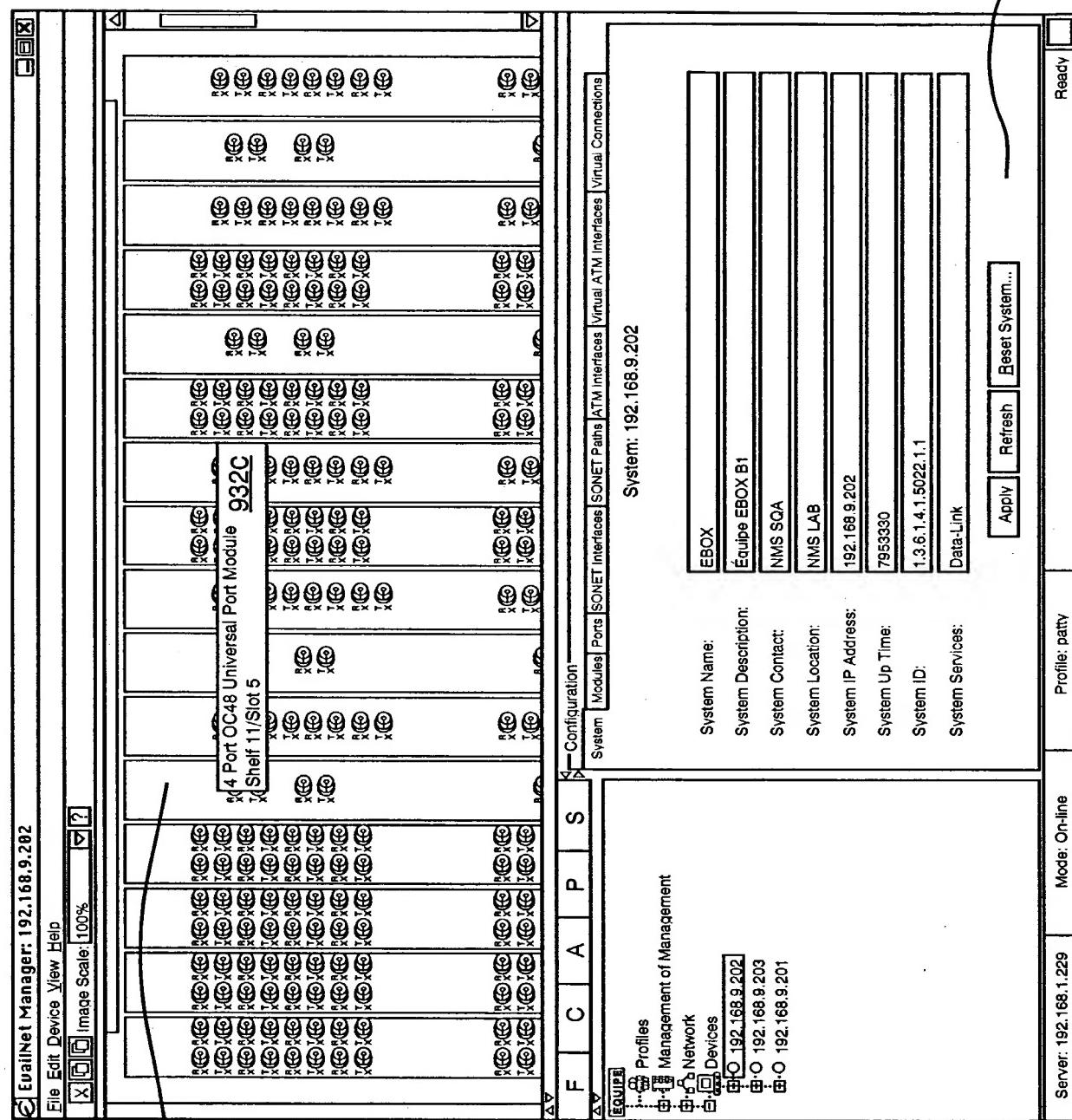


FIG. 4Q

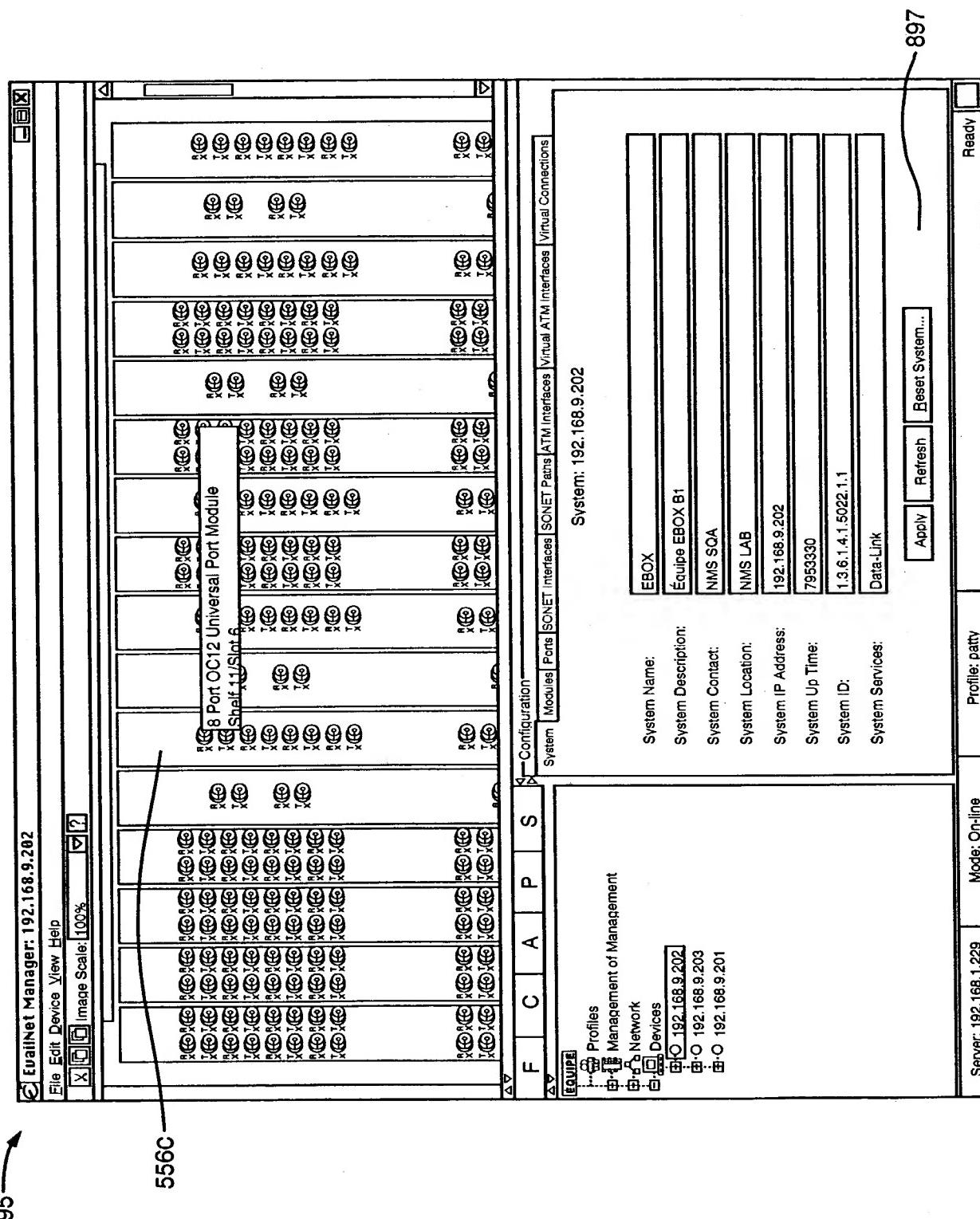


FIG. 4R

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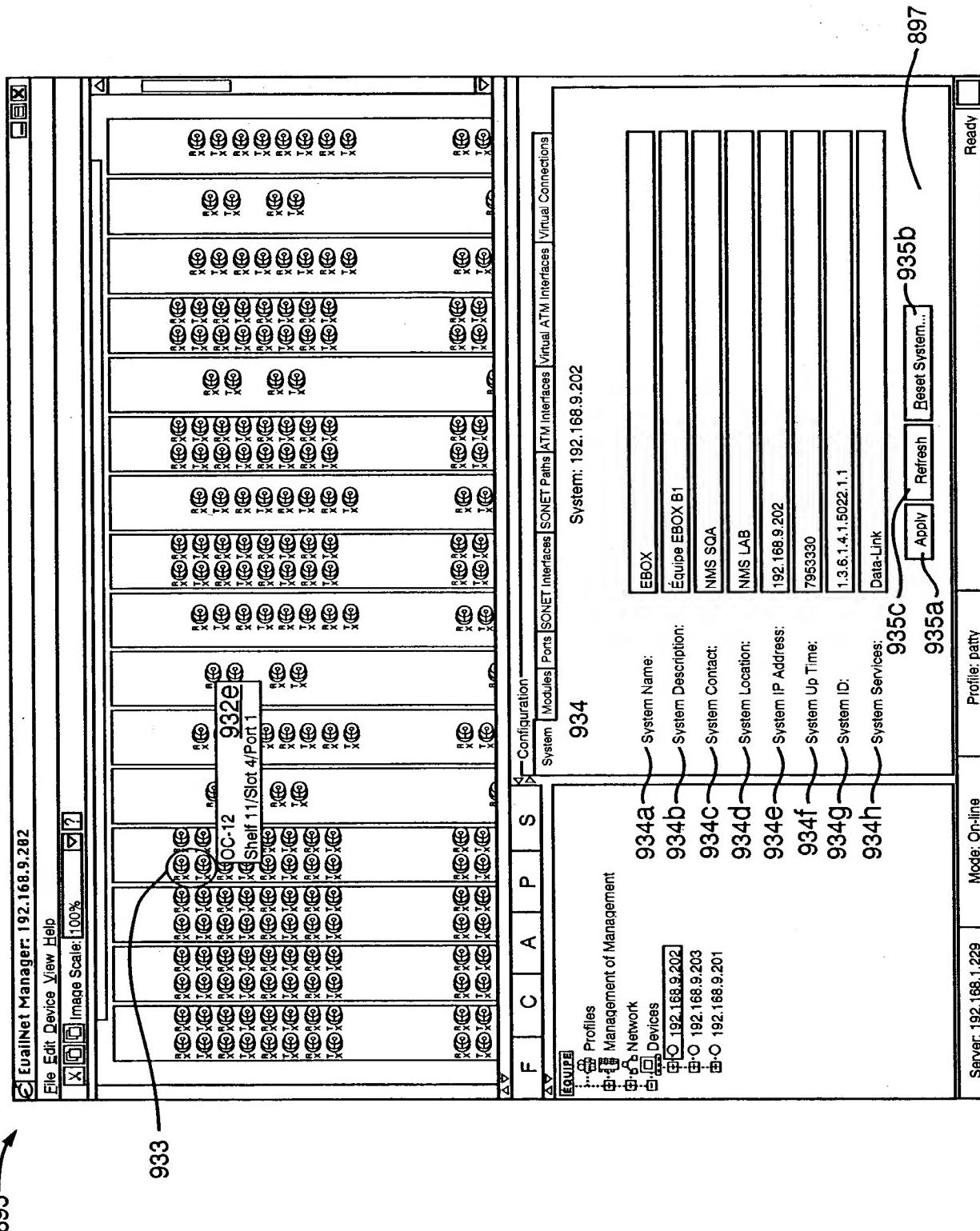


FIG. 4S

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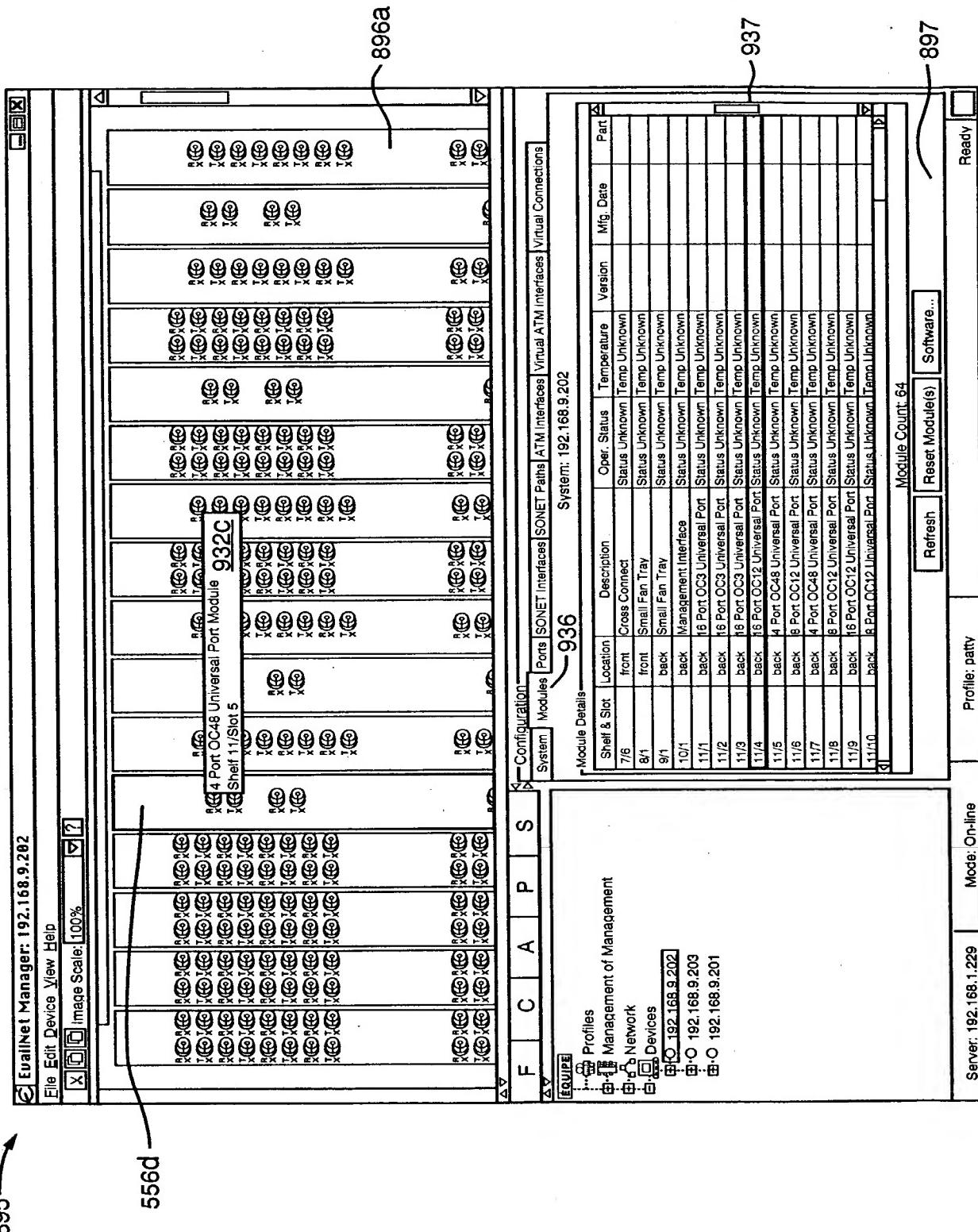


FIG. 4T

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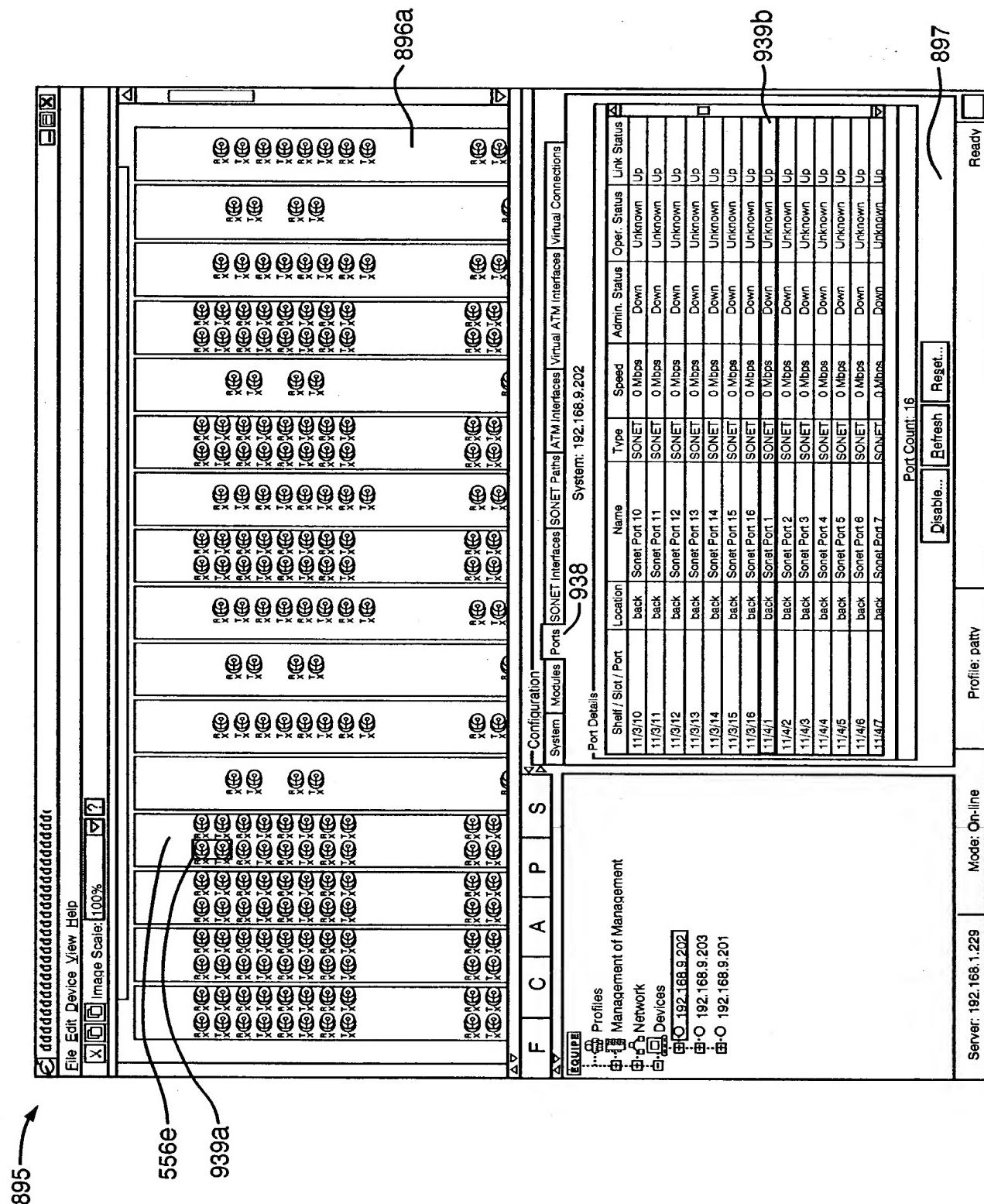


FIG. 4U

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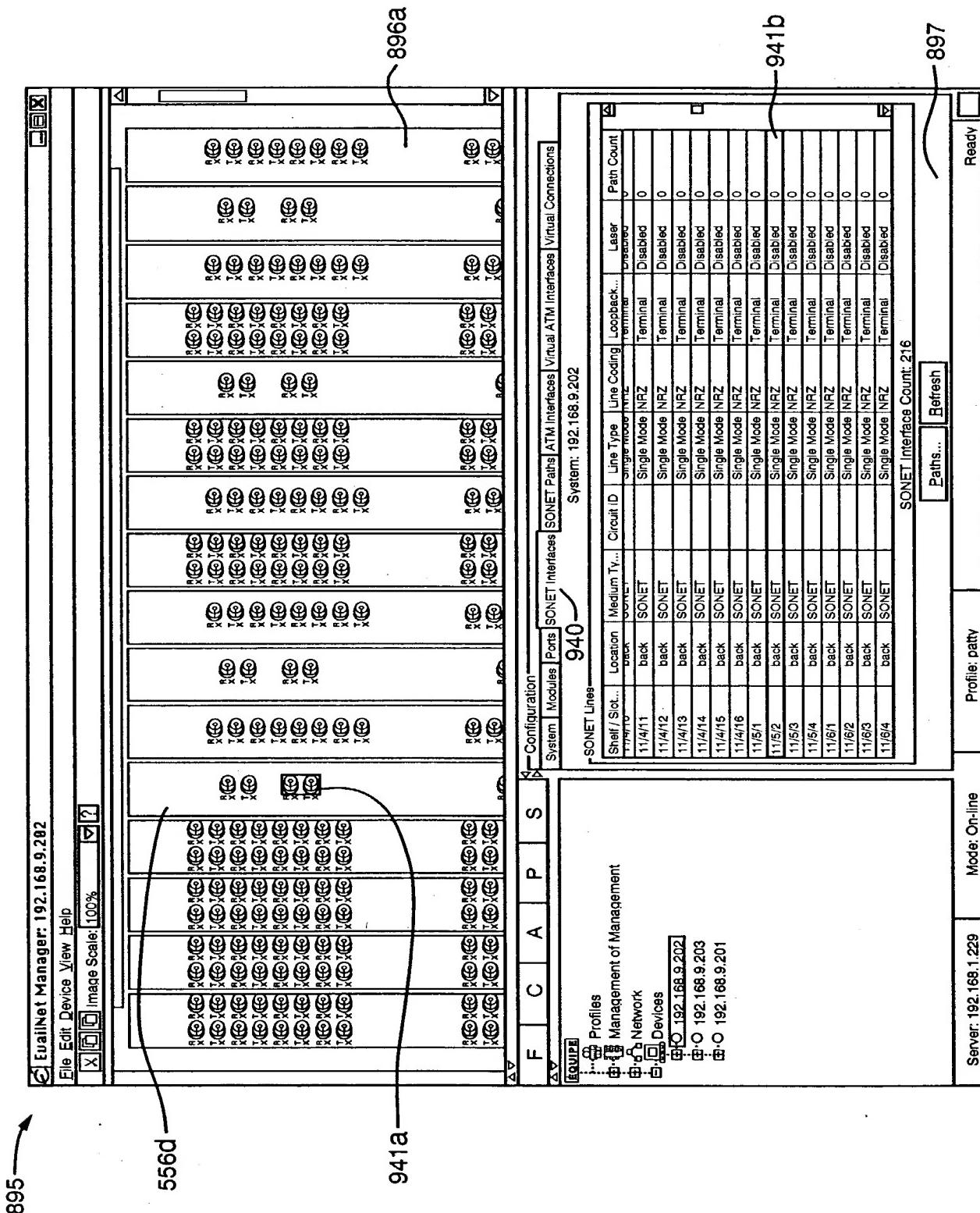
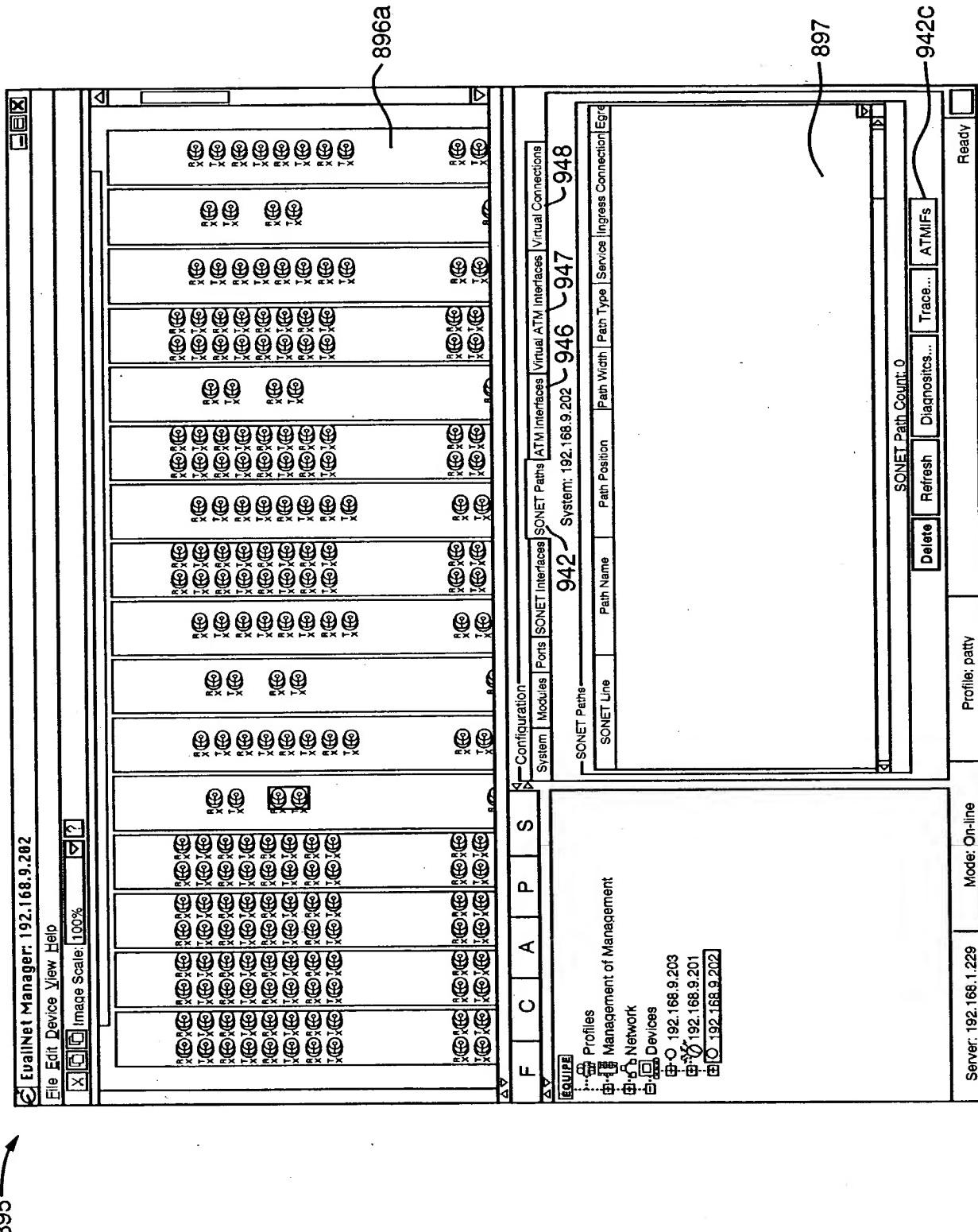
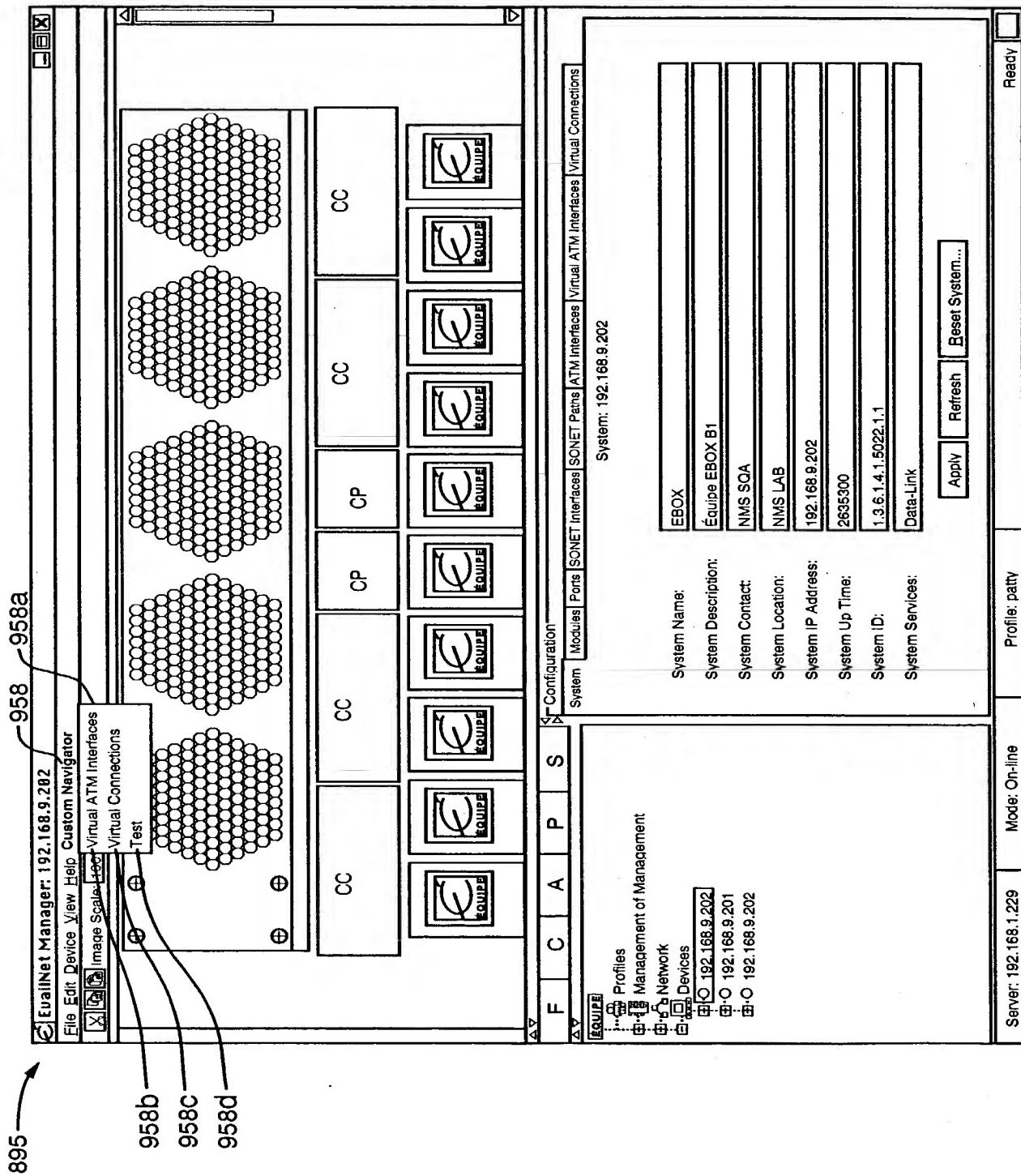


FIG. 4V





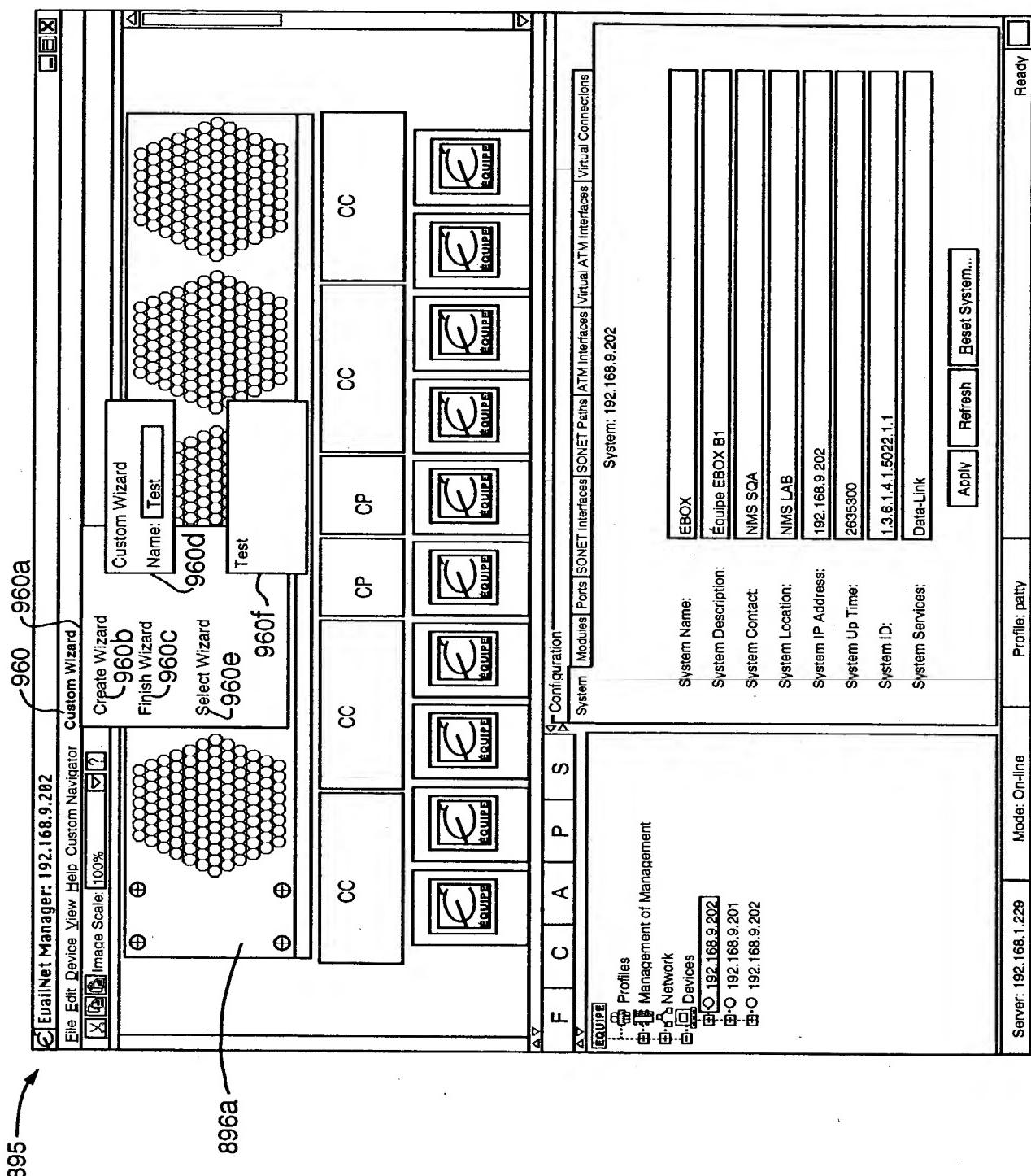


FIG. 4Y

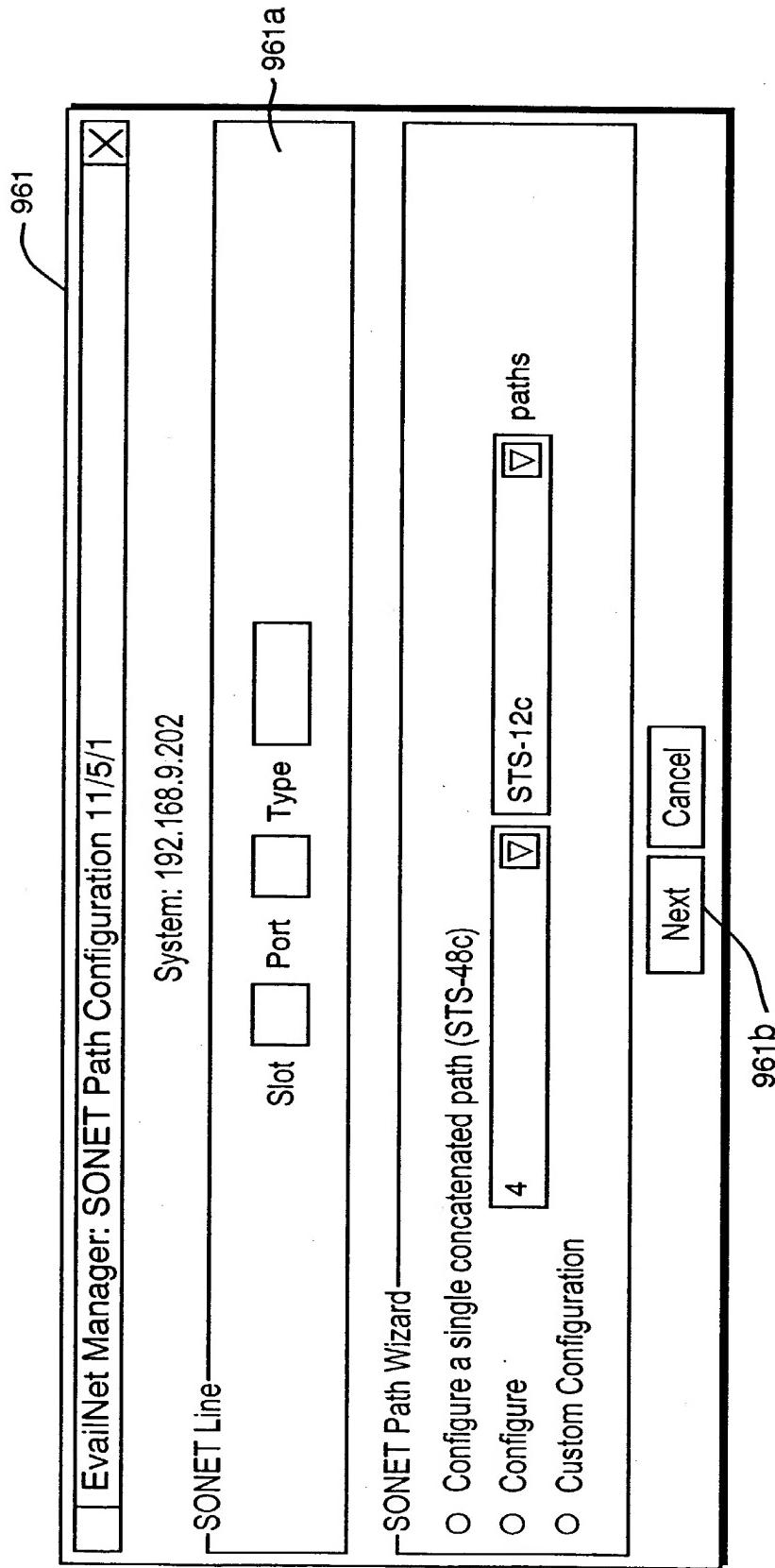


FIG. 4Z

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943

939a

556e

895

896a

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938

939b

897

FIG. 5A

System	Modules	Ports	SONET Paths	ATM Paths	Virtual ATM Interfaces	Virtual Connections	
System: 192.168.9.202							
Port Details							
Shelf / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
1/4/1	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
1/4/2	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
1/4/3	back	Sonet Port 3	SONET	0 Mbps	Down	Unknown	Up
1/4/4	back	Sonet Port 4	SONET	0 Mbps	Down	Unknown	Up
1/4/5	back	Sonet Port 5	SONET	0 Mbps	Down	Unknown	Up
1/4/6	back	Sonet Port 6	SONET	0 Mbps	Down	Unknown	Up
1/4/7	back	Sonet Port 7	SONET	0 Mbps	Down	Unknown	Up
1/4/8	back	Sonet Port 8	SONET	0 Mbps	Down	Unknown	Up
1/4/9	back	Sonet Port 9	SONET	0 Mbps	Down	Unknown	Up
1/4/10	back	Sonet Port 10	SONET	0 Mbps	Down	Unknown	Up
1/4/11	back	Sonet Port 11	SONET	0 Mbps	Down	Unknown	Up
1/4/12	back	Sonet Port 12	SONET	0 Mbps	Down	Unknown	Up
1/4/13	back	Sonet Port 13	SONET	0 Mbps	Down	Unknown	Up
1/4/14	back	Sonet Port 14	SONET	0 Mbps	Down	Unknown	Up
1/4/15	back	Sonet Port 15	SONET	0 Mbps	Down	Unknown	Up
1/4/16	back	Sonet Port 16	SONET	0 Mbps	Down	Unknown	Up

Port Count: 216

Disable... Refresh... Reset... Profile: patty

Server: 192.168.1.229 Mode: On-line

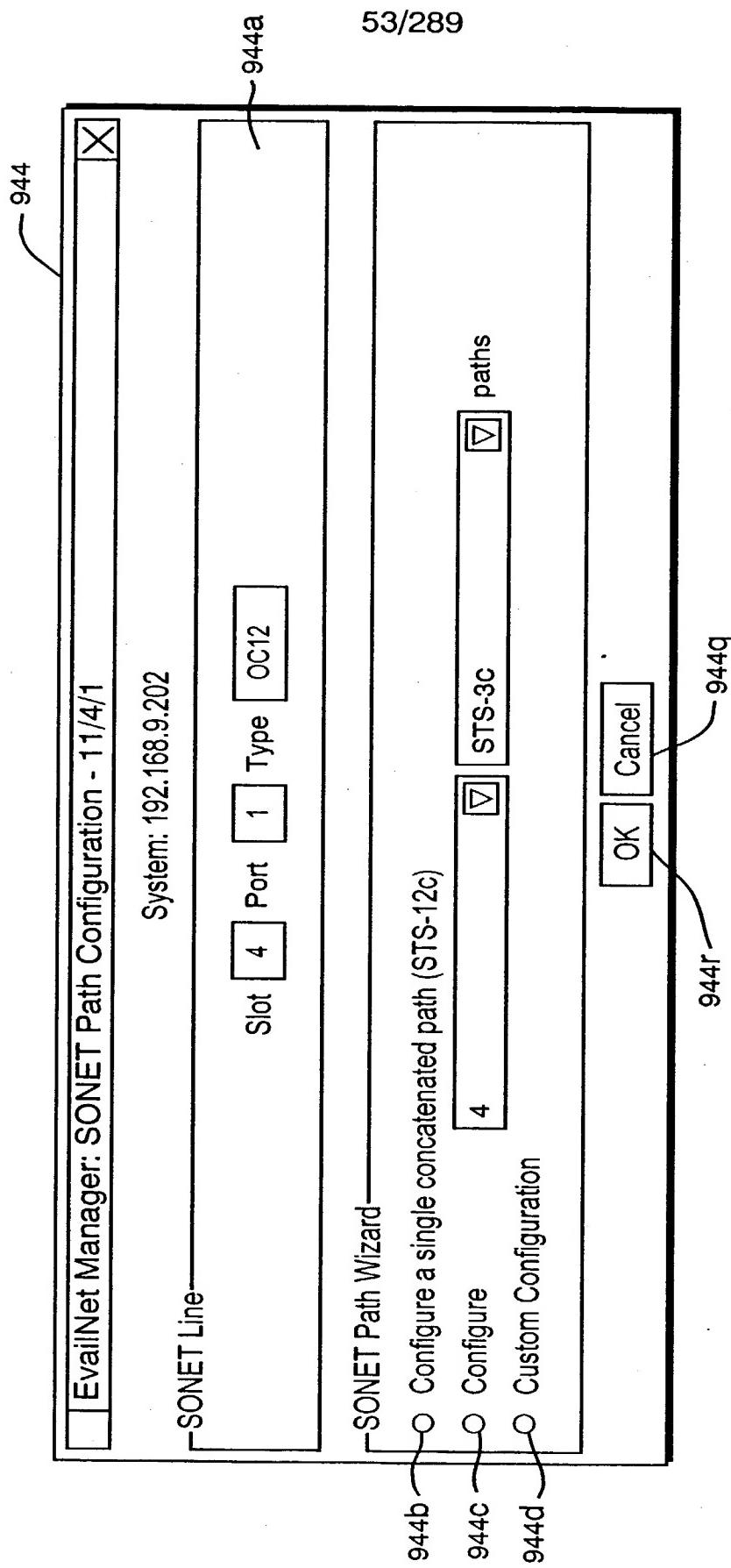


FIG. 5B

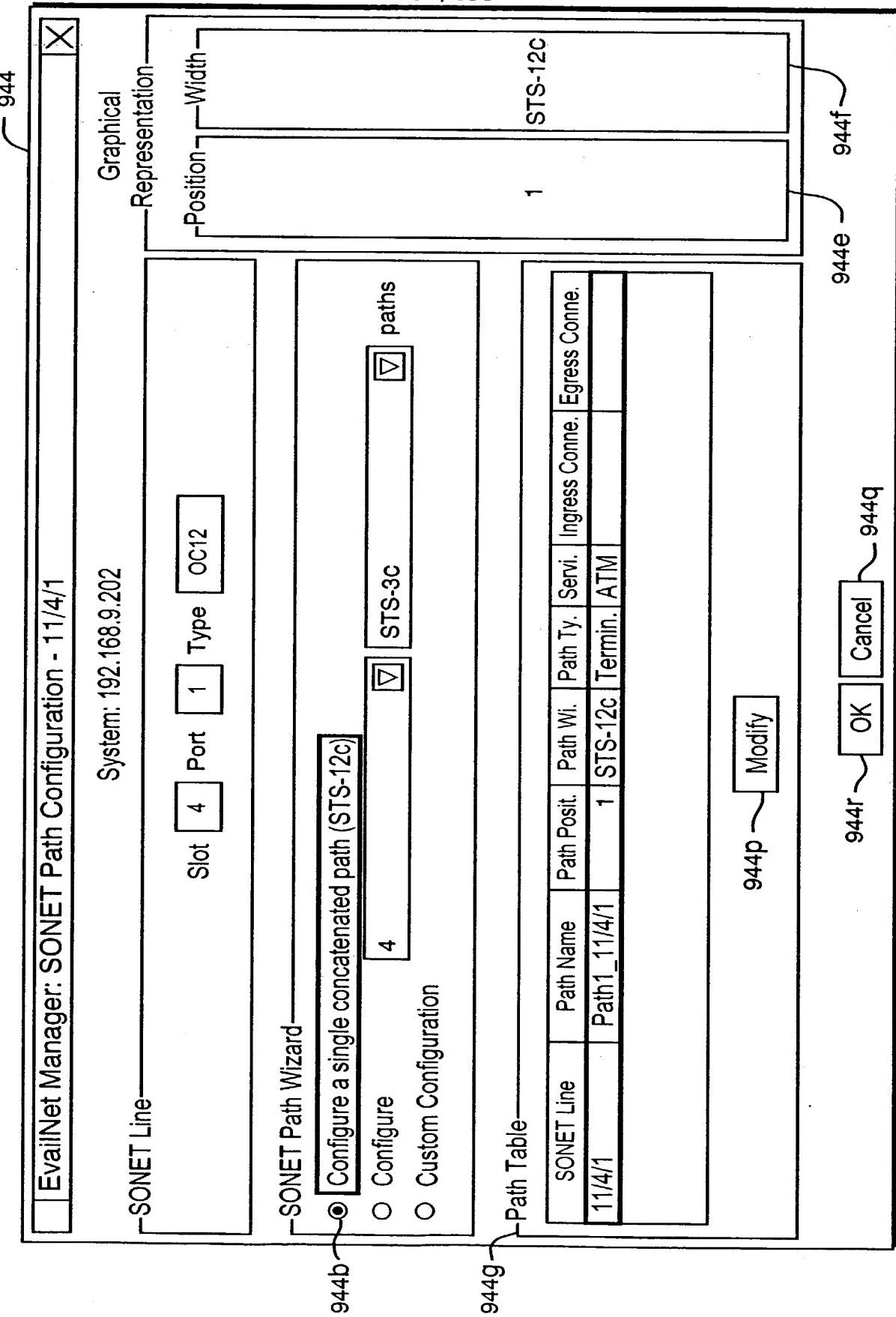


FIG. 5C

EvailNet Manager: SONET Path Configuration - 11/4/1							
SONET Line							
Slot <input type="text" value="4"/>	Port <input type="text" value="1"/>						
Type <input type="text" value="OC12"/>							
SONET Path Wizard							
<input type="radio"/> Configure a single concatenated path (STS-12c) <input checked="" type="radio"/> Custom Configuration							
944C	<input checked="" type="checkbox"/> STS-3C <input type="checkbox"/> paths 944S 944t						
Path Table							
SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3C	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3C	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3C	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3C	Termin.	ATM		
		944p	<input type="button" value="Modify"/>				
		944r	<input type="button" value="OK"/>	<input type="button" value="Cancel"/>	944q		
		944e	944f				

944a

944g

944C

944g

944p ~ 944q

944r ~ 944e ~ 944f

FIG. 5D

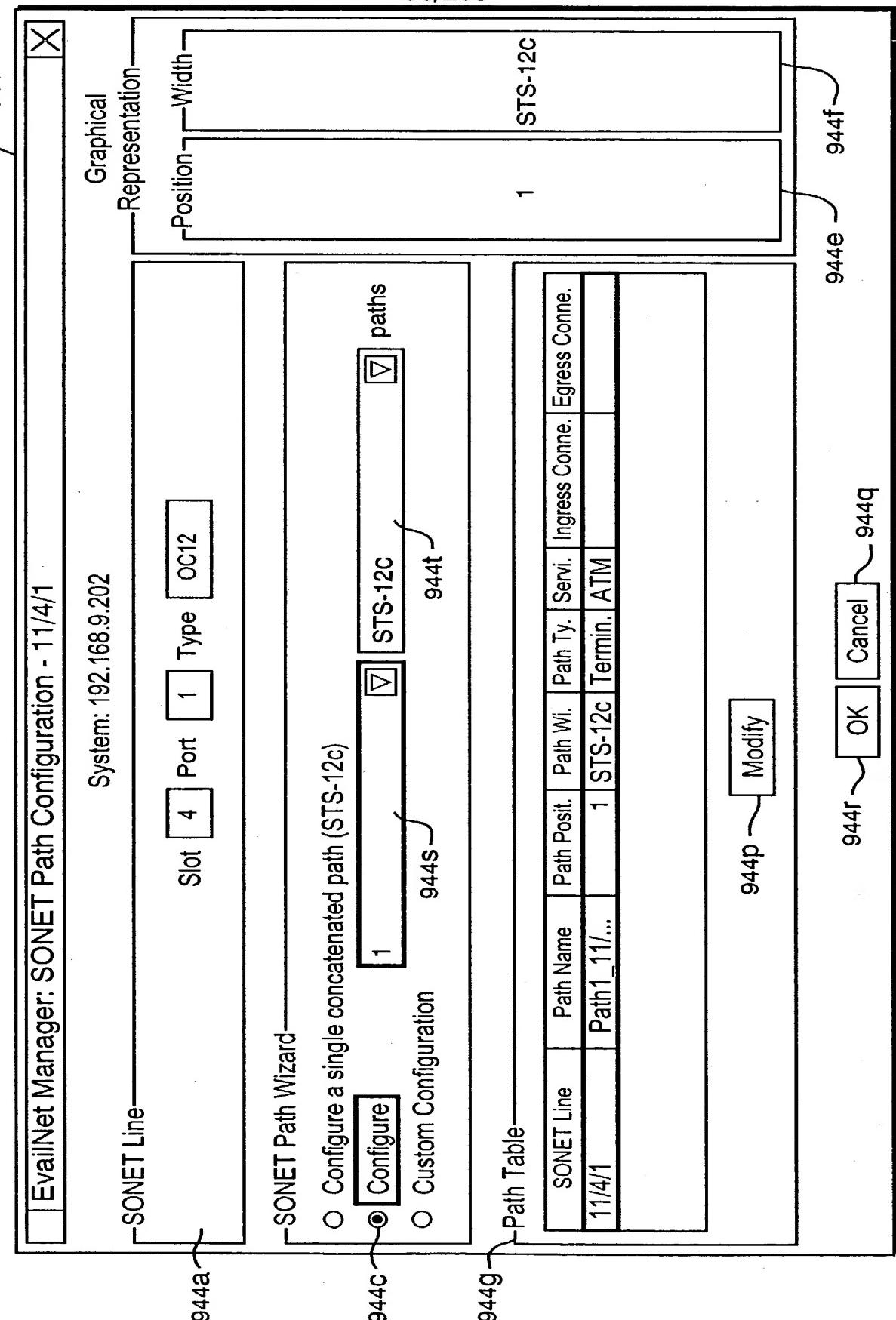
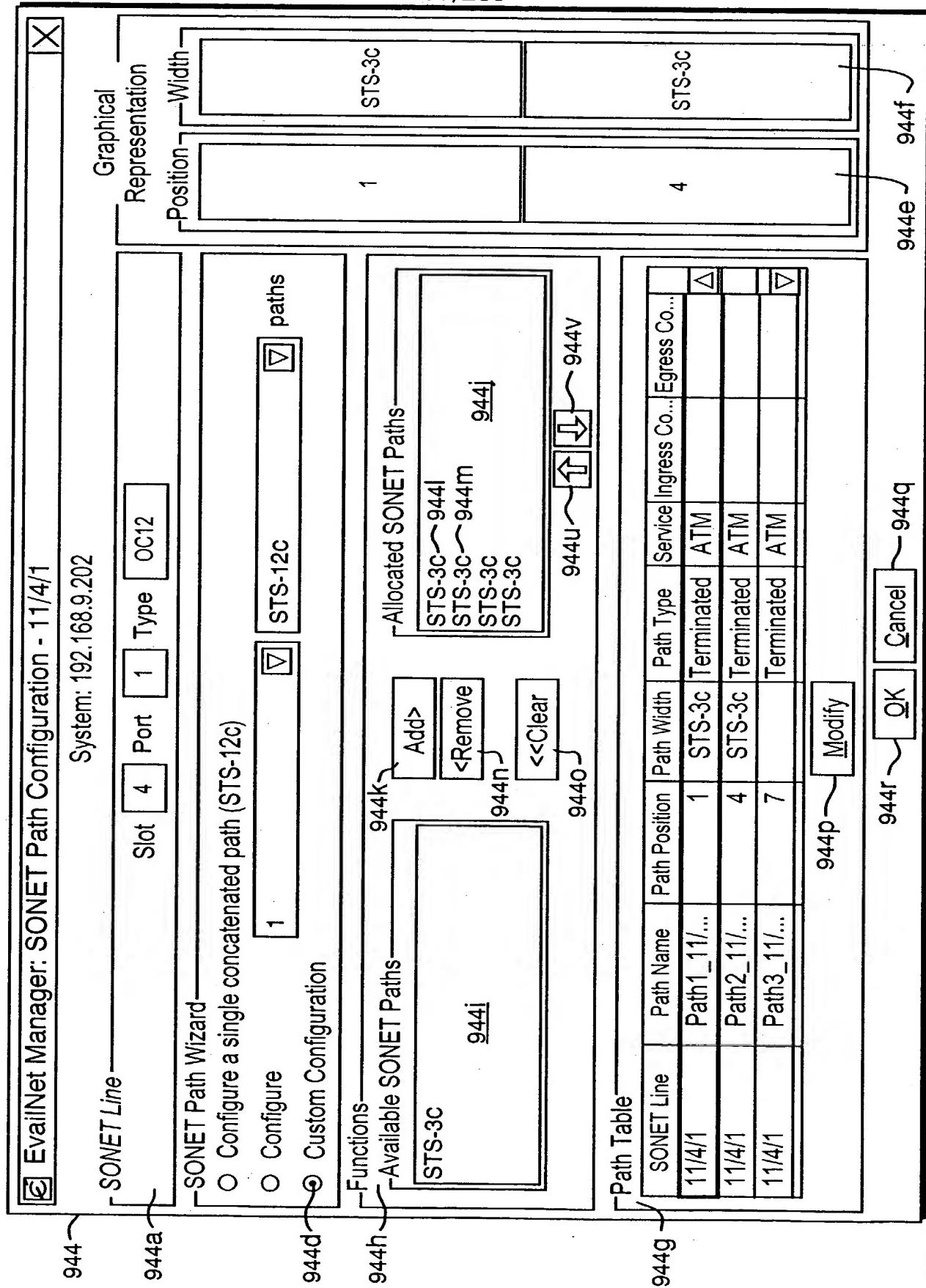


FIG. 5E



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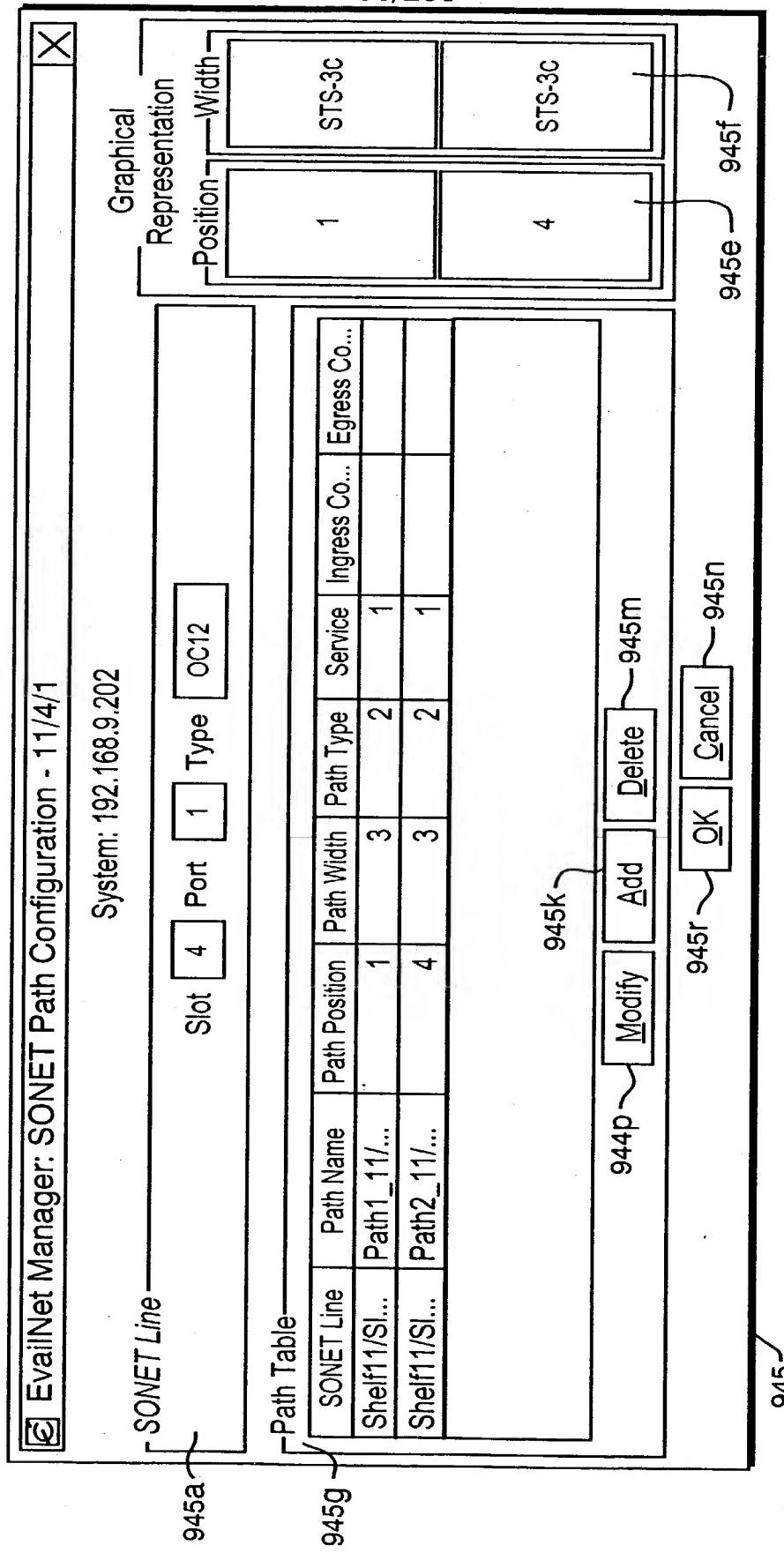


FIG. 5G

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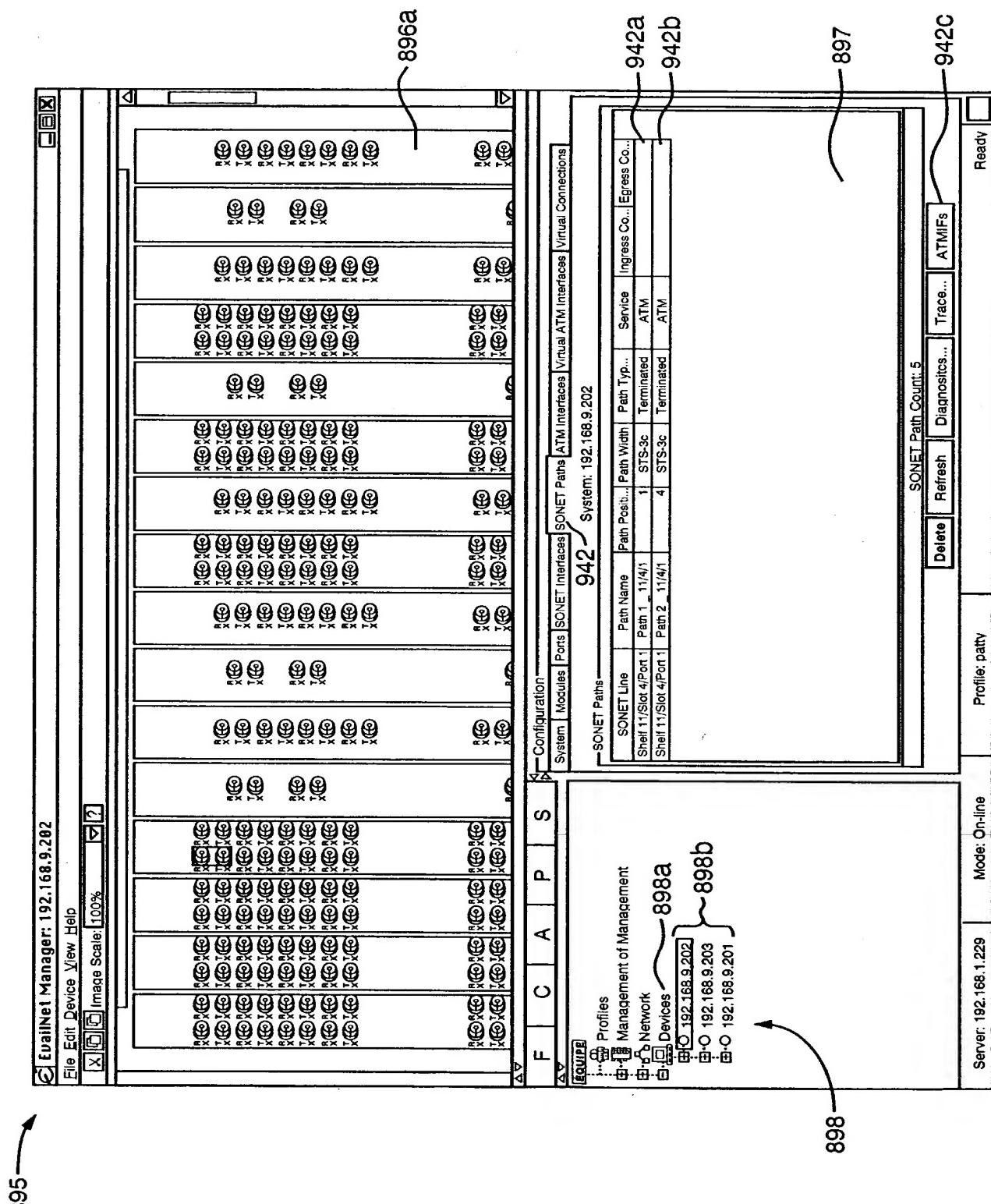


FIG. 5H

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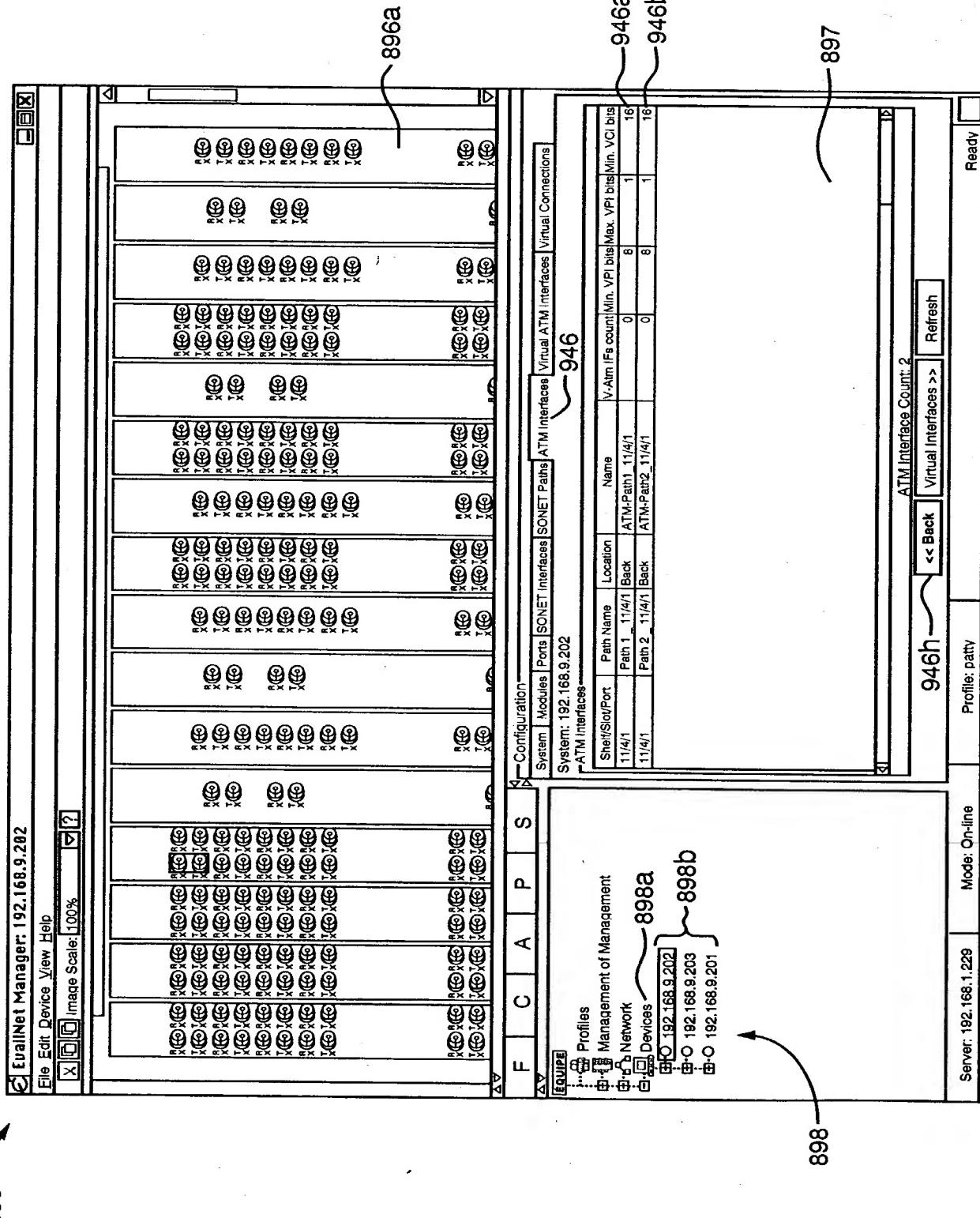


FIG. 5

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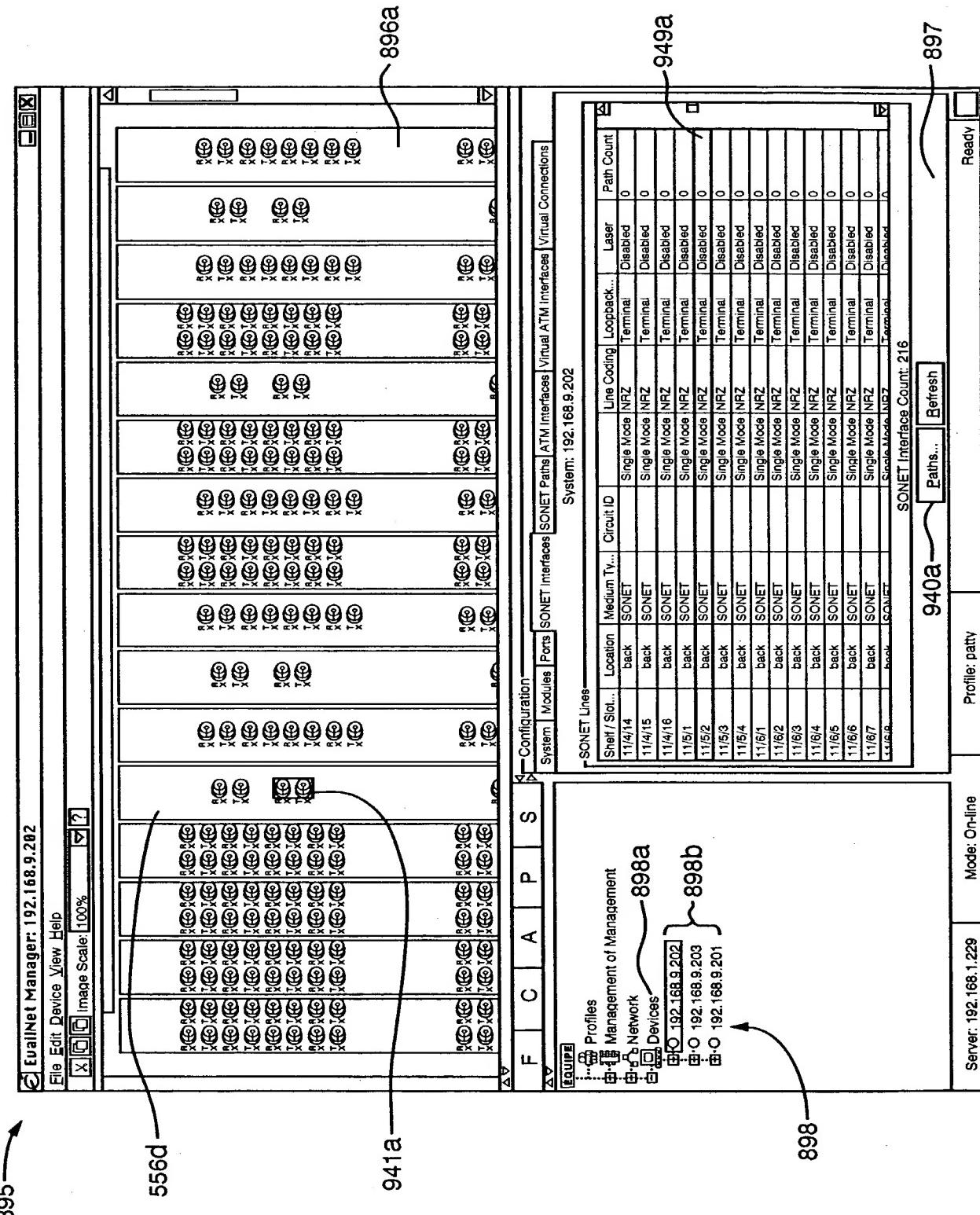


FIG. 5J

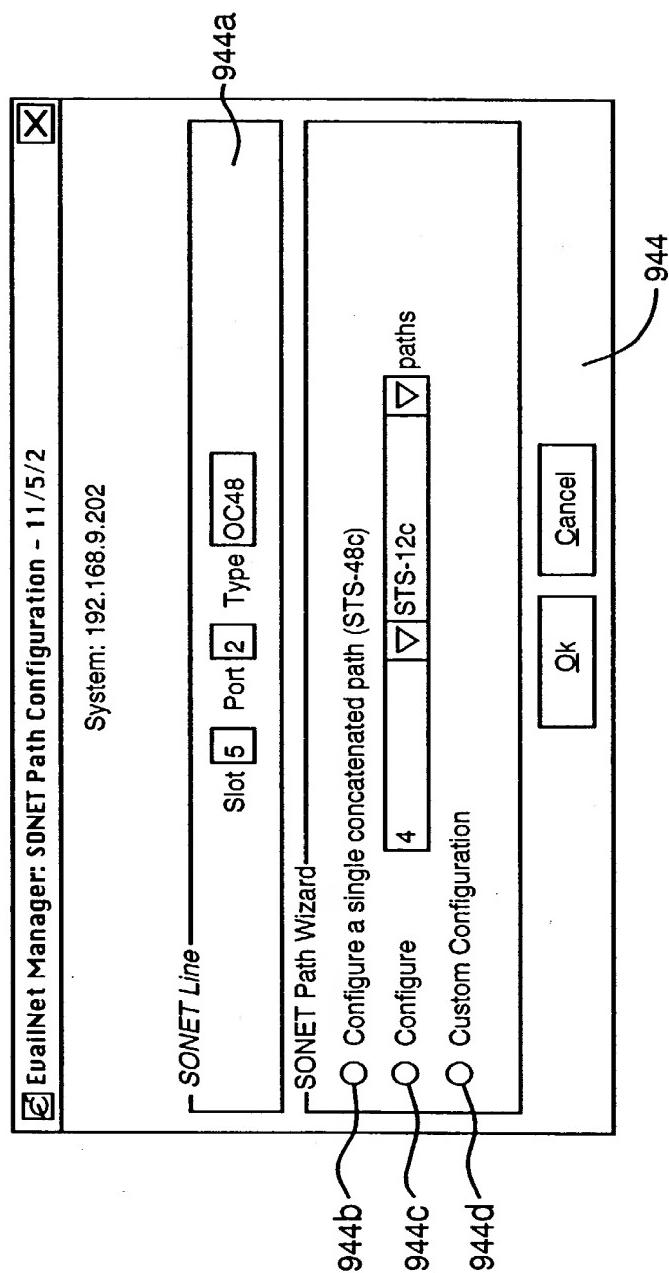


FIG. 5K

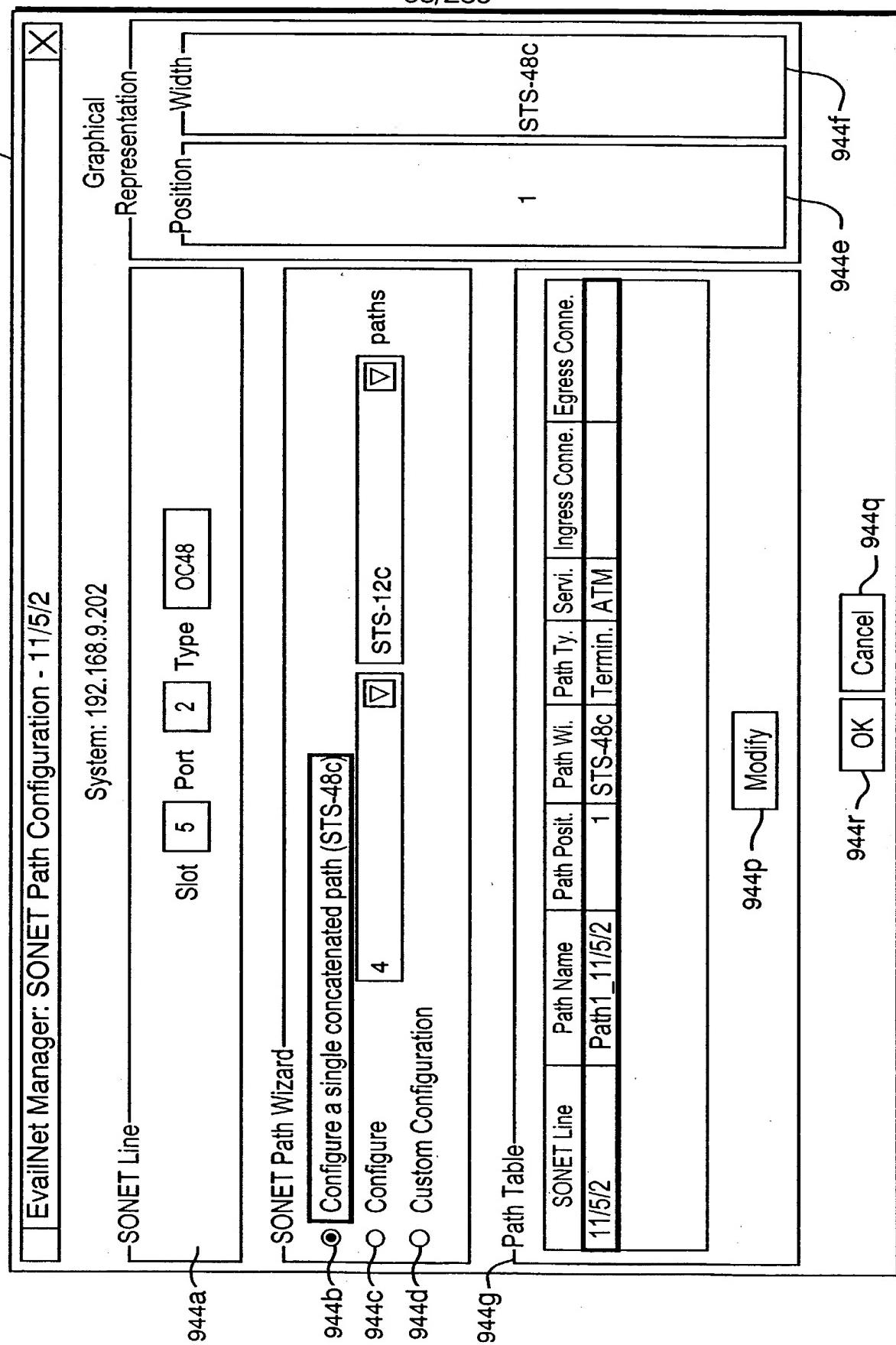


FIG. 5L

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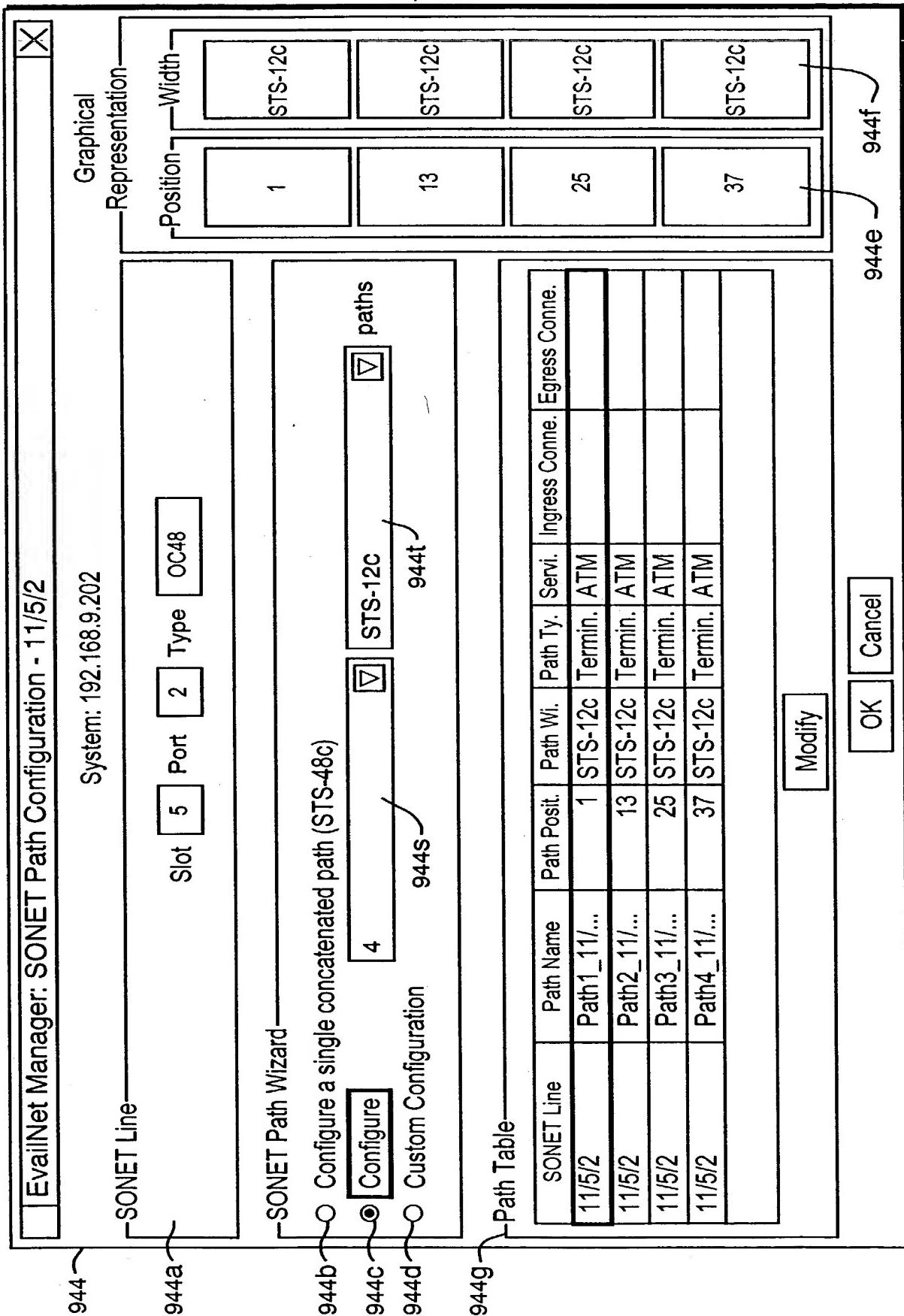


FIG. 5M

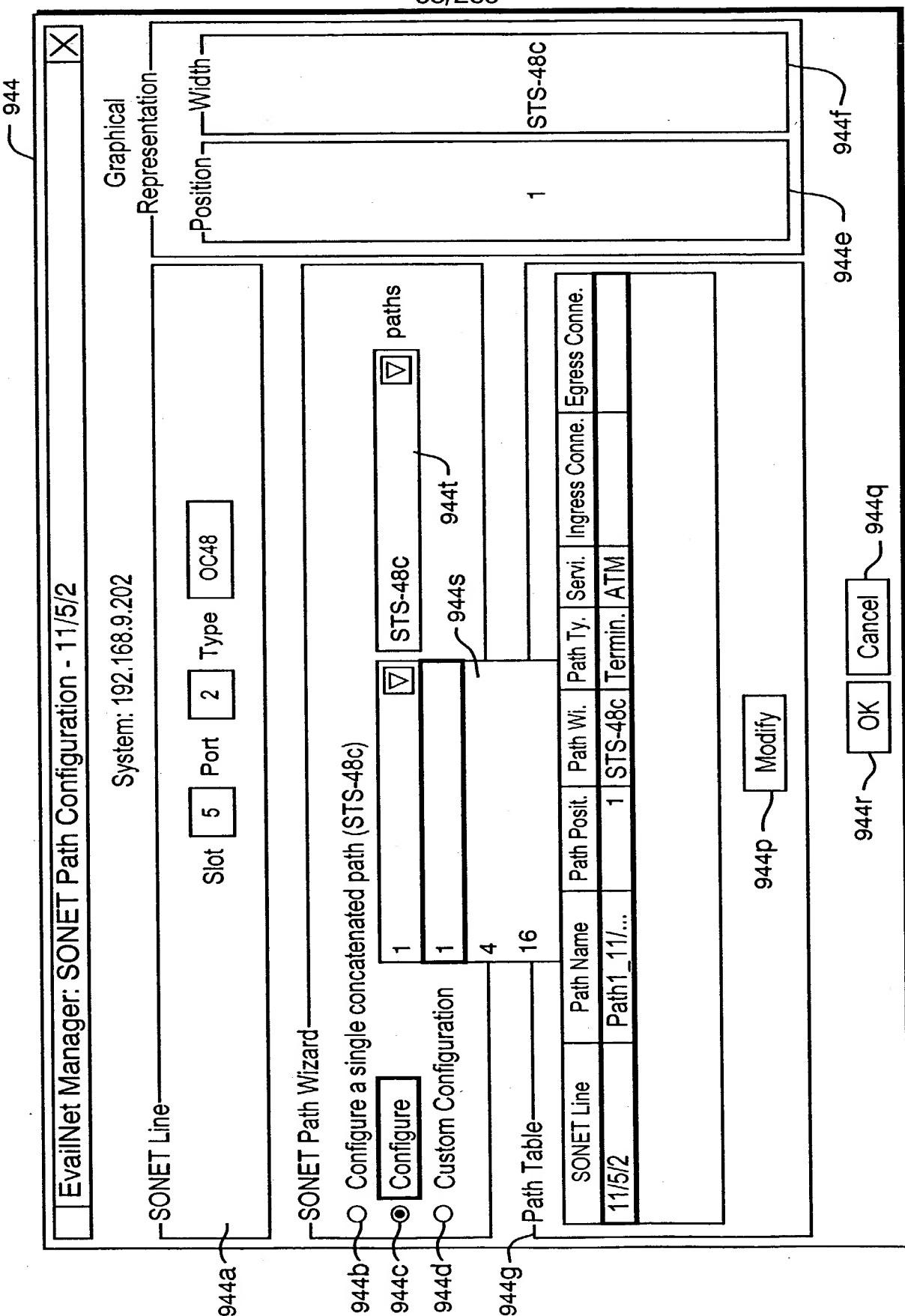


FIG. 5N

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

944a SONET Path Wizard

944b Configure a single concatenated path (STS-48c)

944c Configure

944d Custom Configuration

944g Path Table

Slot Port Type

Graphical Representation

Position	Width
1	STS-3C
4	STS-3C
7	STS-3C
10	STS-3C
13	STS-3C
16	STS-3C
19	STS-3C
22	STS-3C
25	STS-3C
28	STS-3C
31	STS-3C
34	STS-3C
37	STS-3C
40	STS-3C
43	STS-3C
45	STS-3C

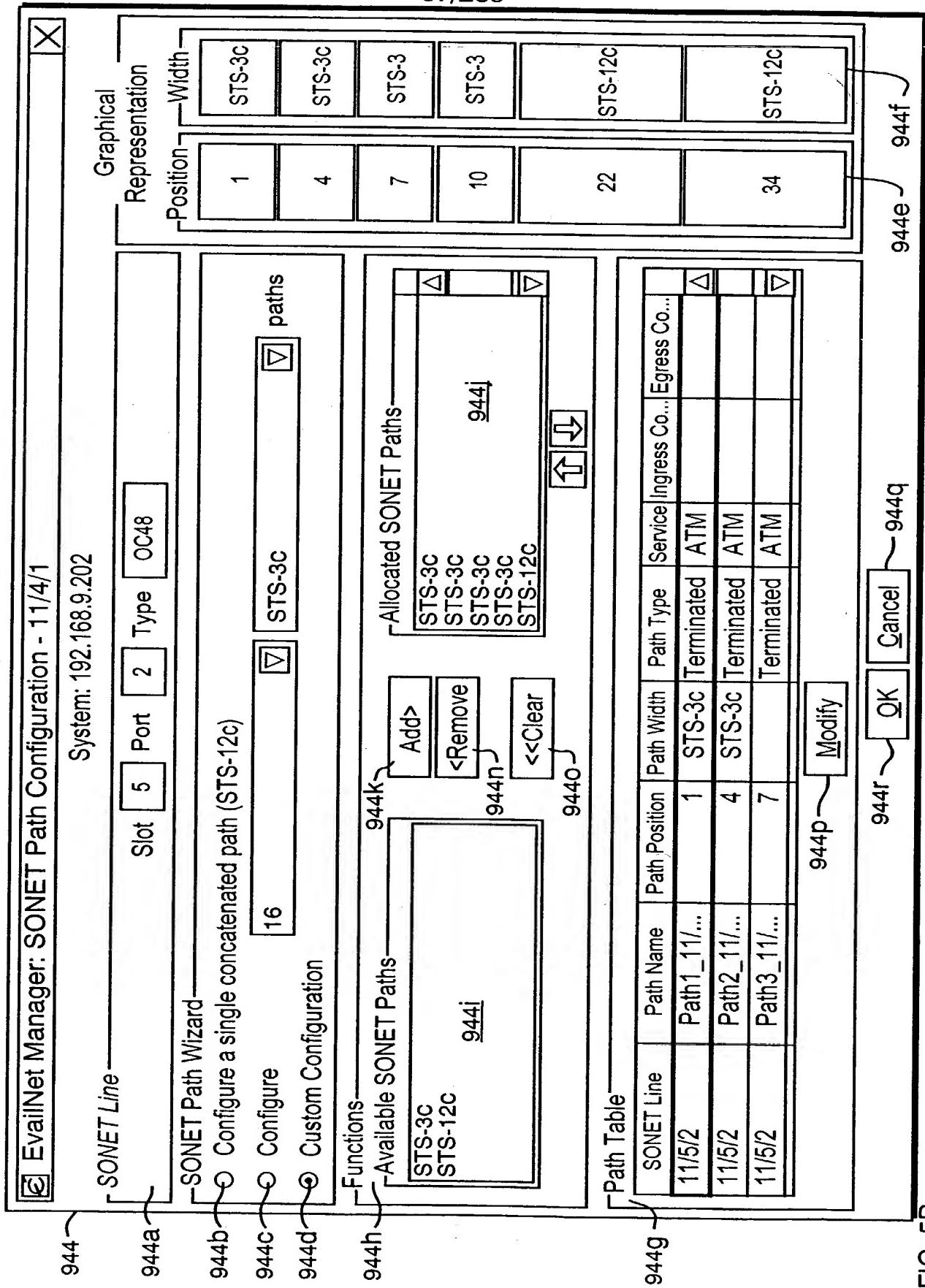
944p Modify

944r OK

944e Cancel

944q 944f

FIG. 50



5
FIG.

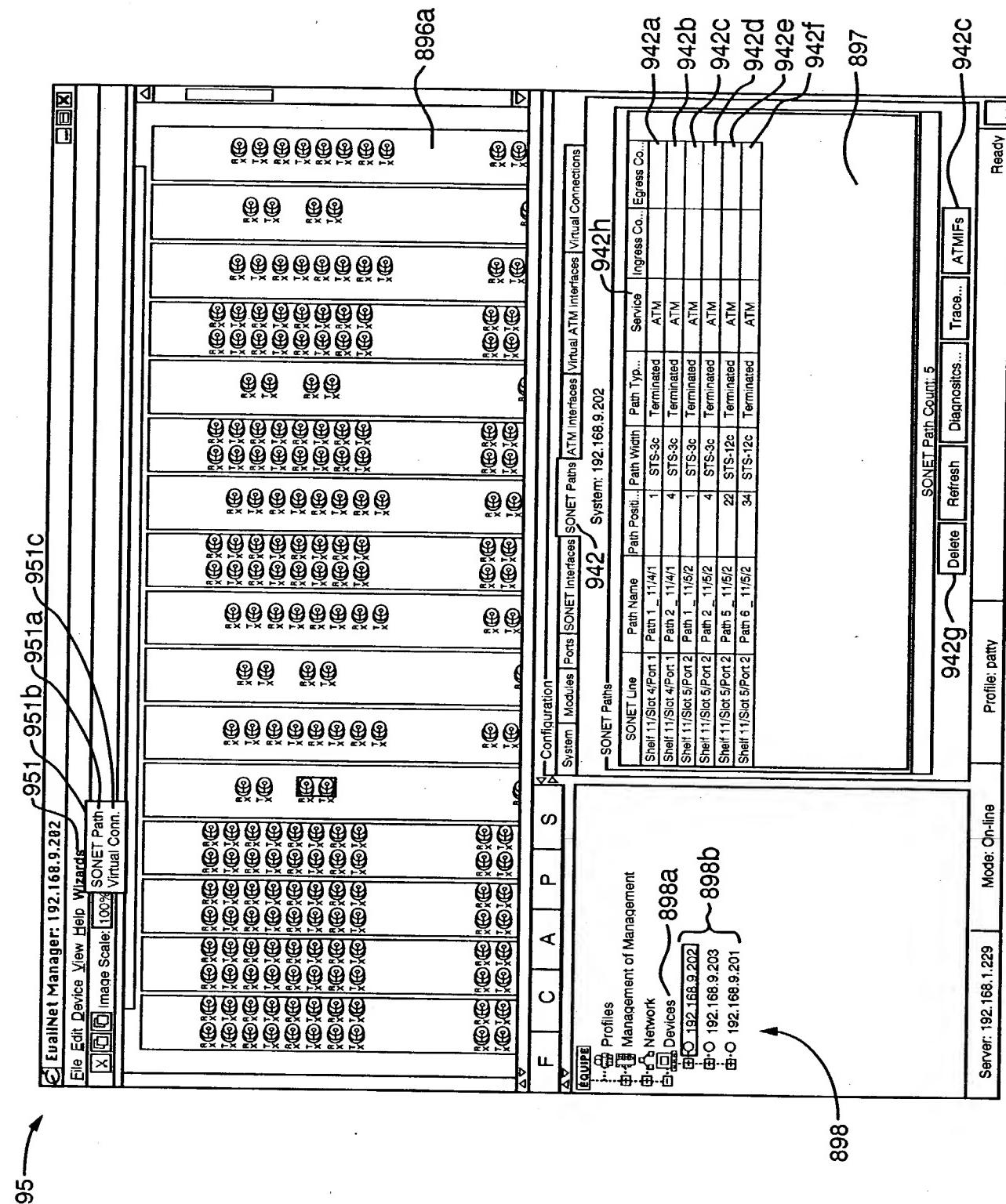


FIG. 5G

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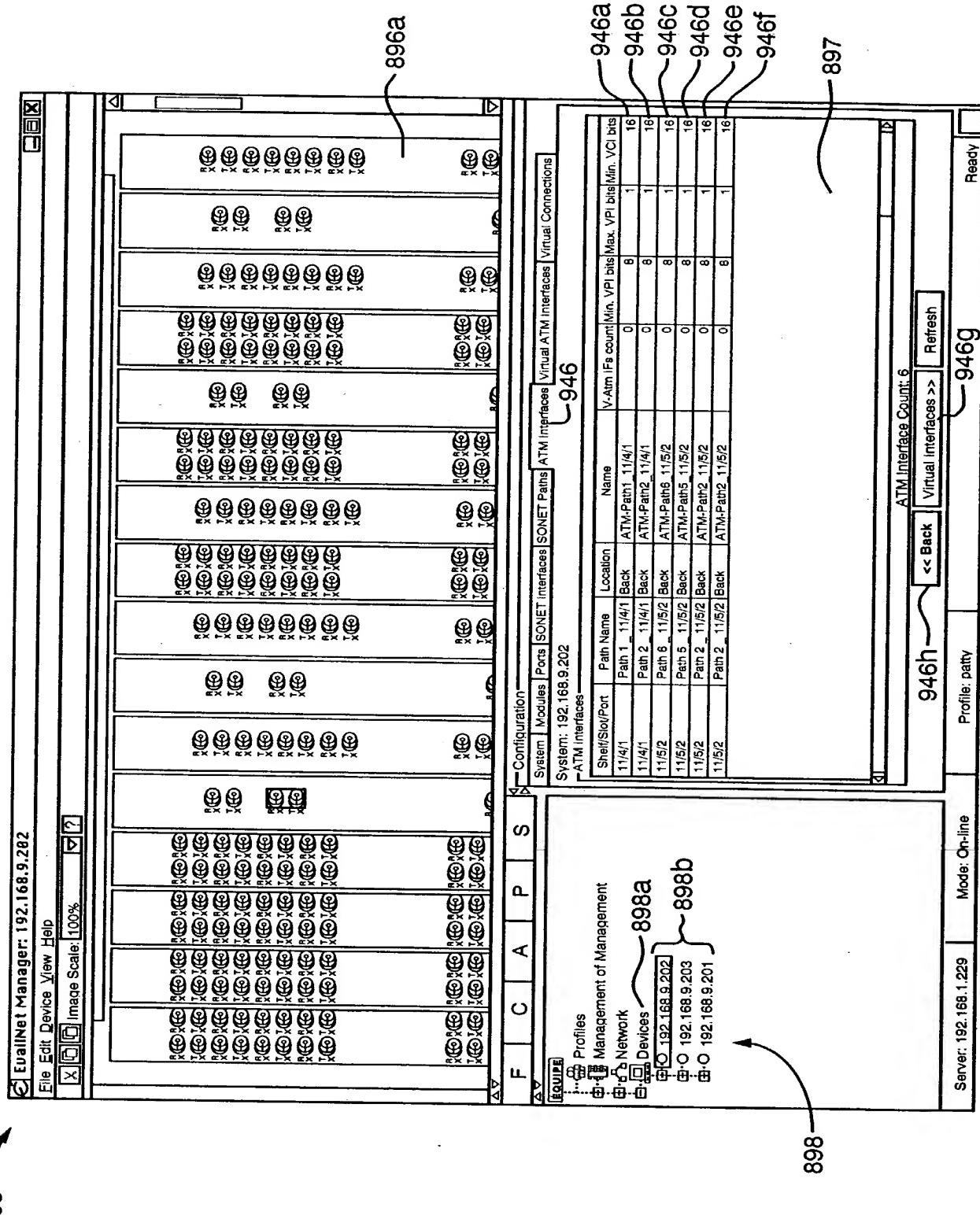


FIG 5R

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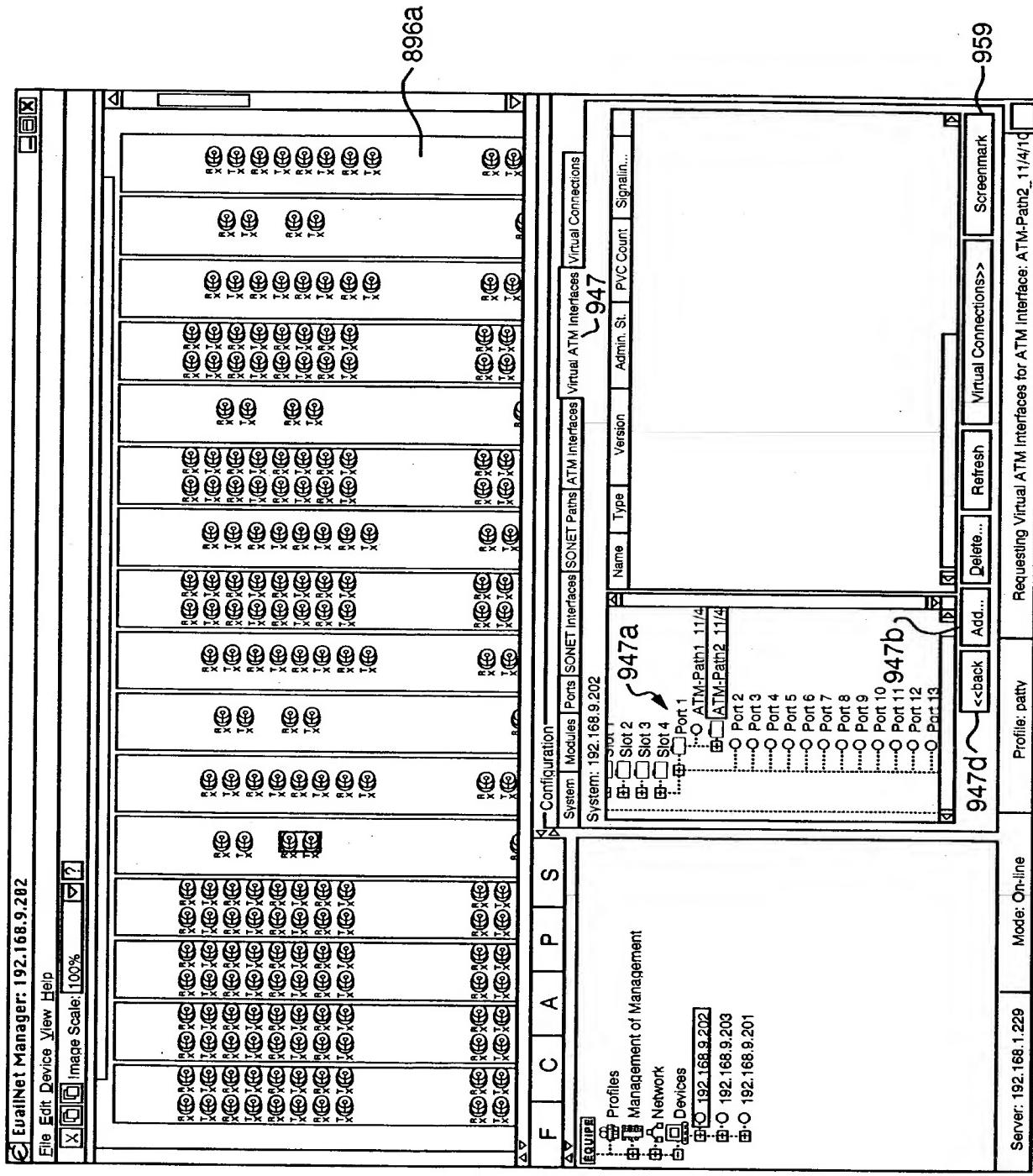


FIG. 5S

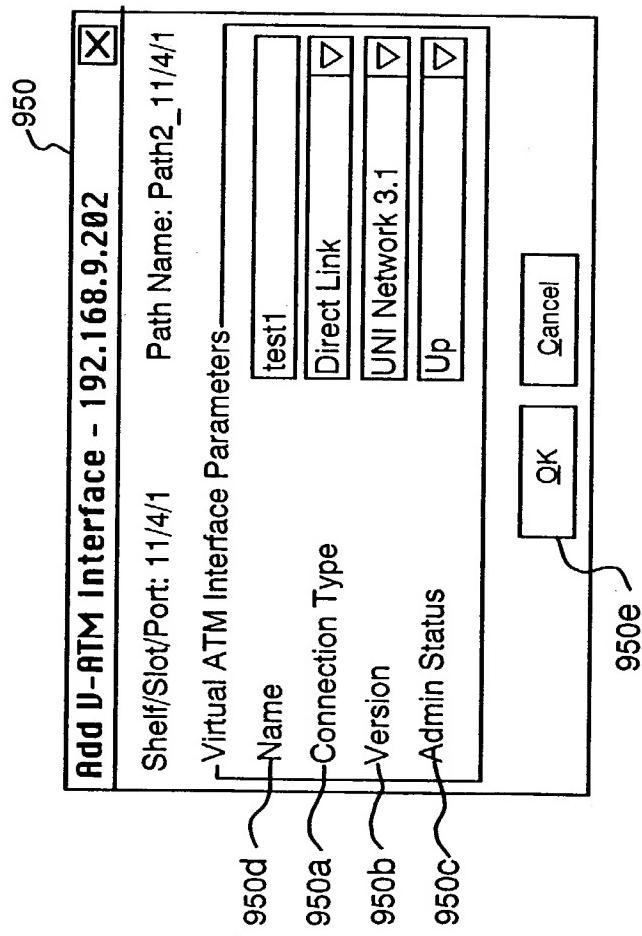


FIG. 5T

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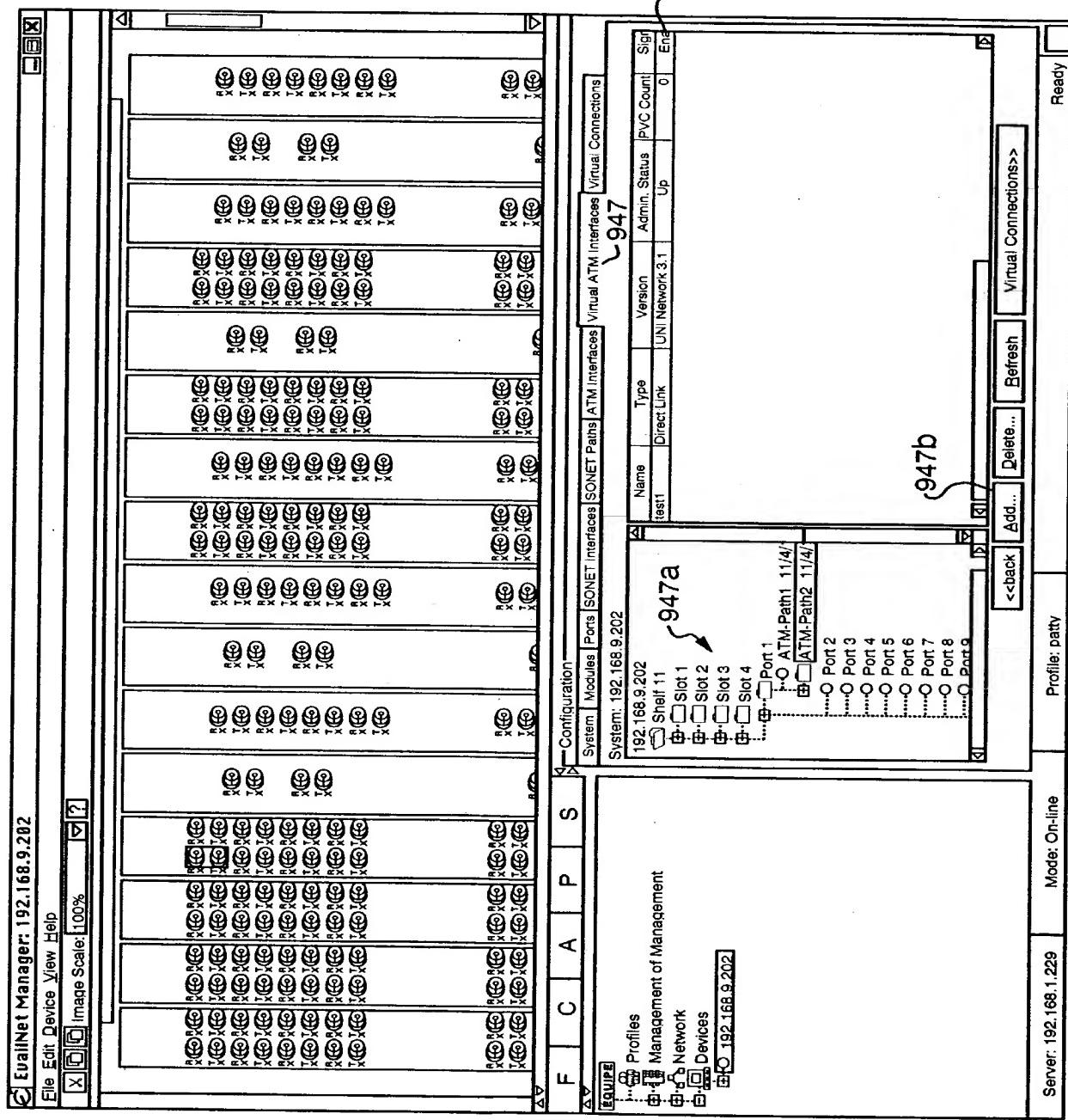


FIG. 5U

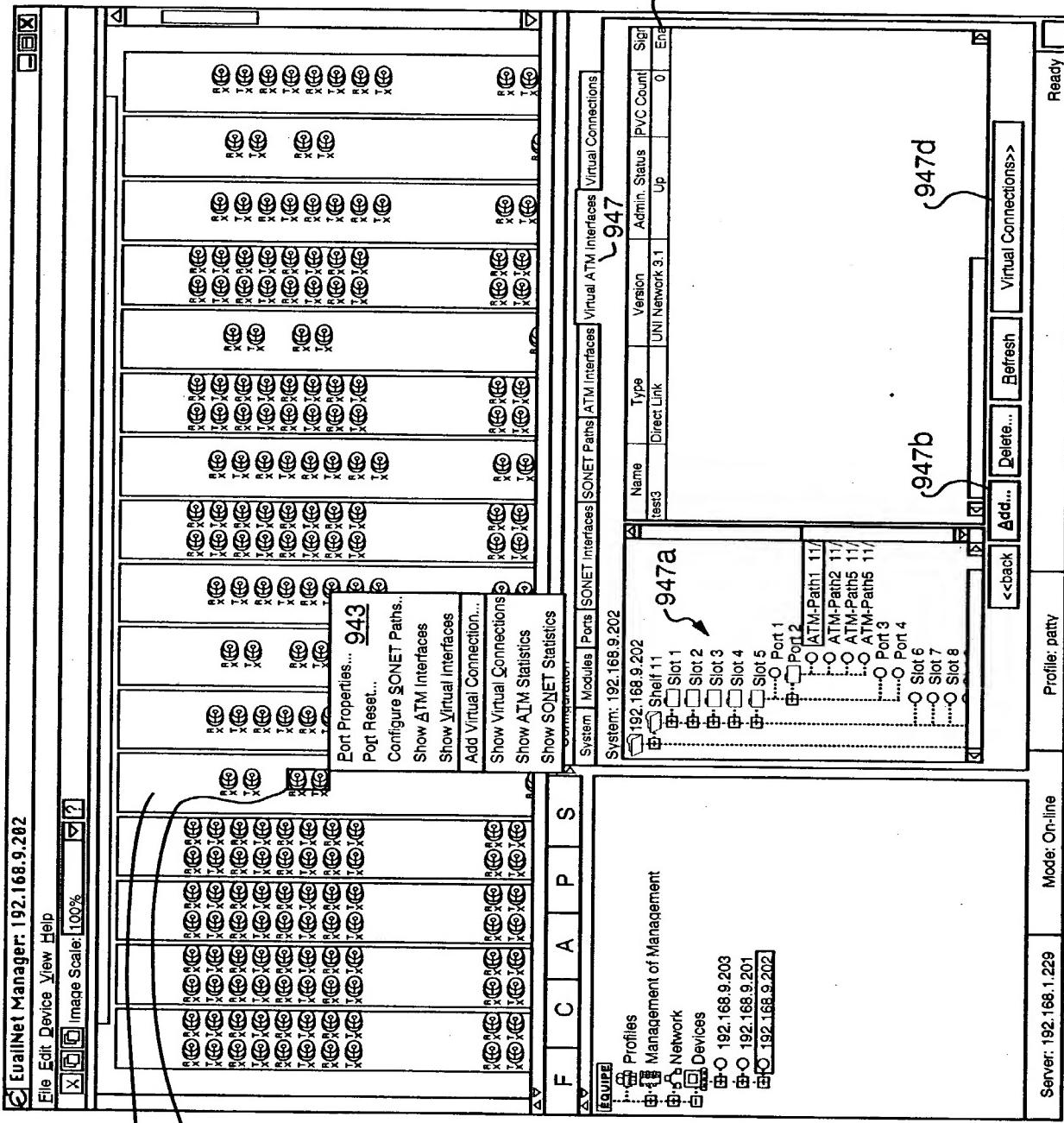


FIG. 5V

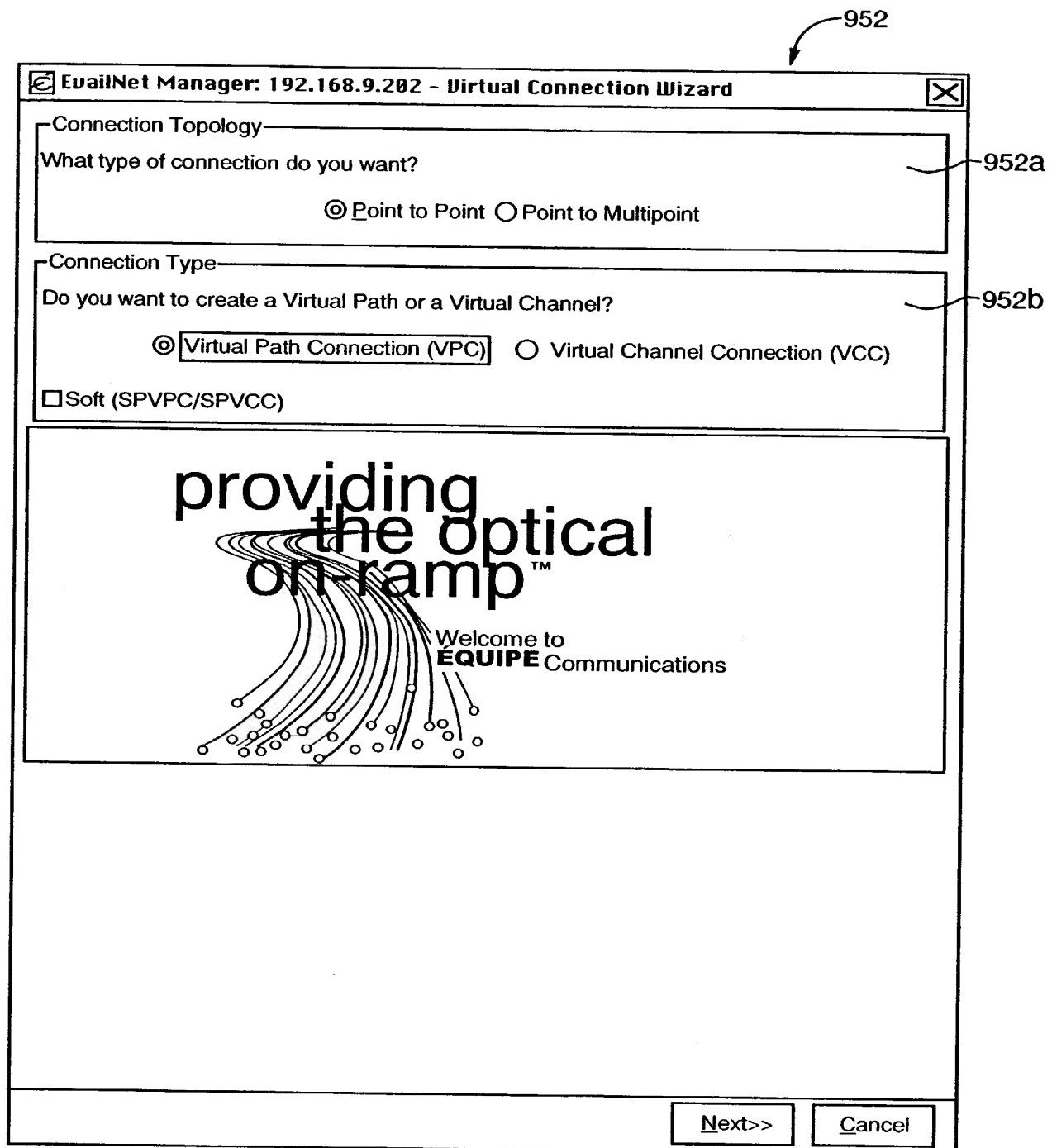


FIG. 5W

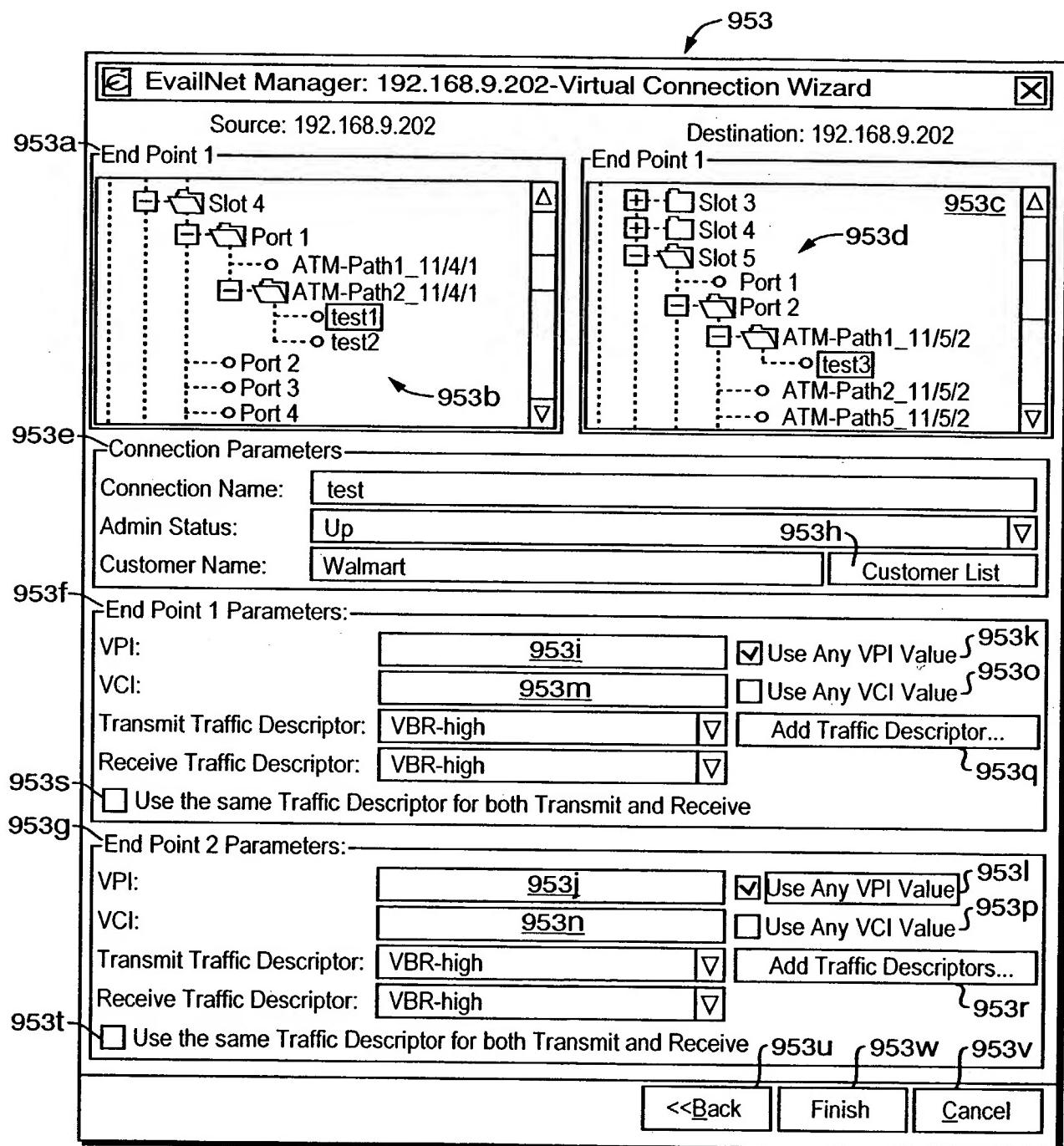


FIG. 5X

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◎◎周正周正正口，口口正周正正

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NEW TRAFFIC DESCRIPTOR

NAME:

ANSWER

QoS CLASS:

TYPE:

OK

CANCEL

FIG. 5Y

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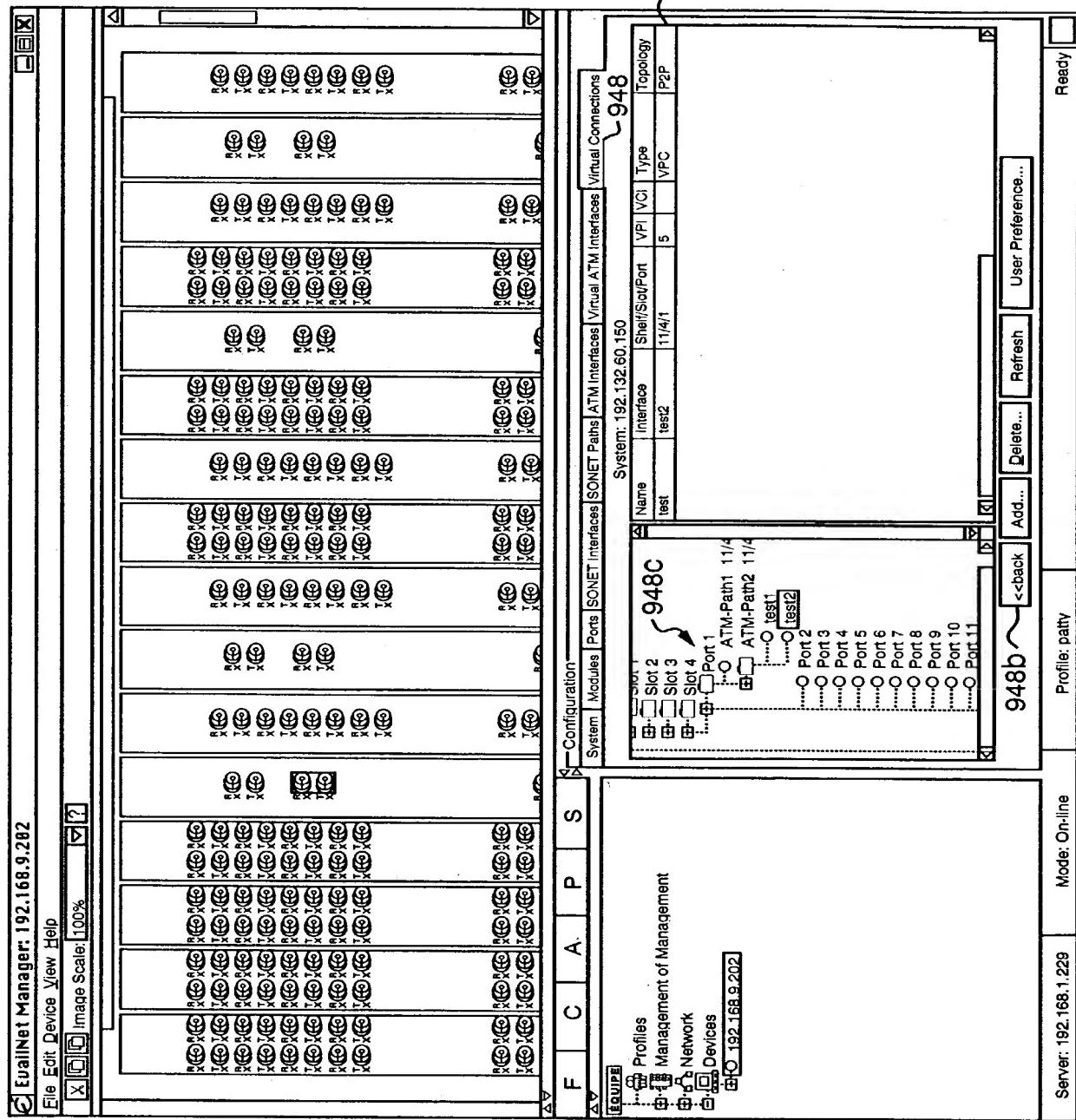


FIG. 5Z

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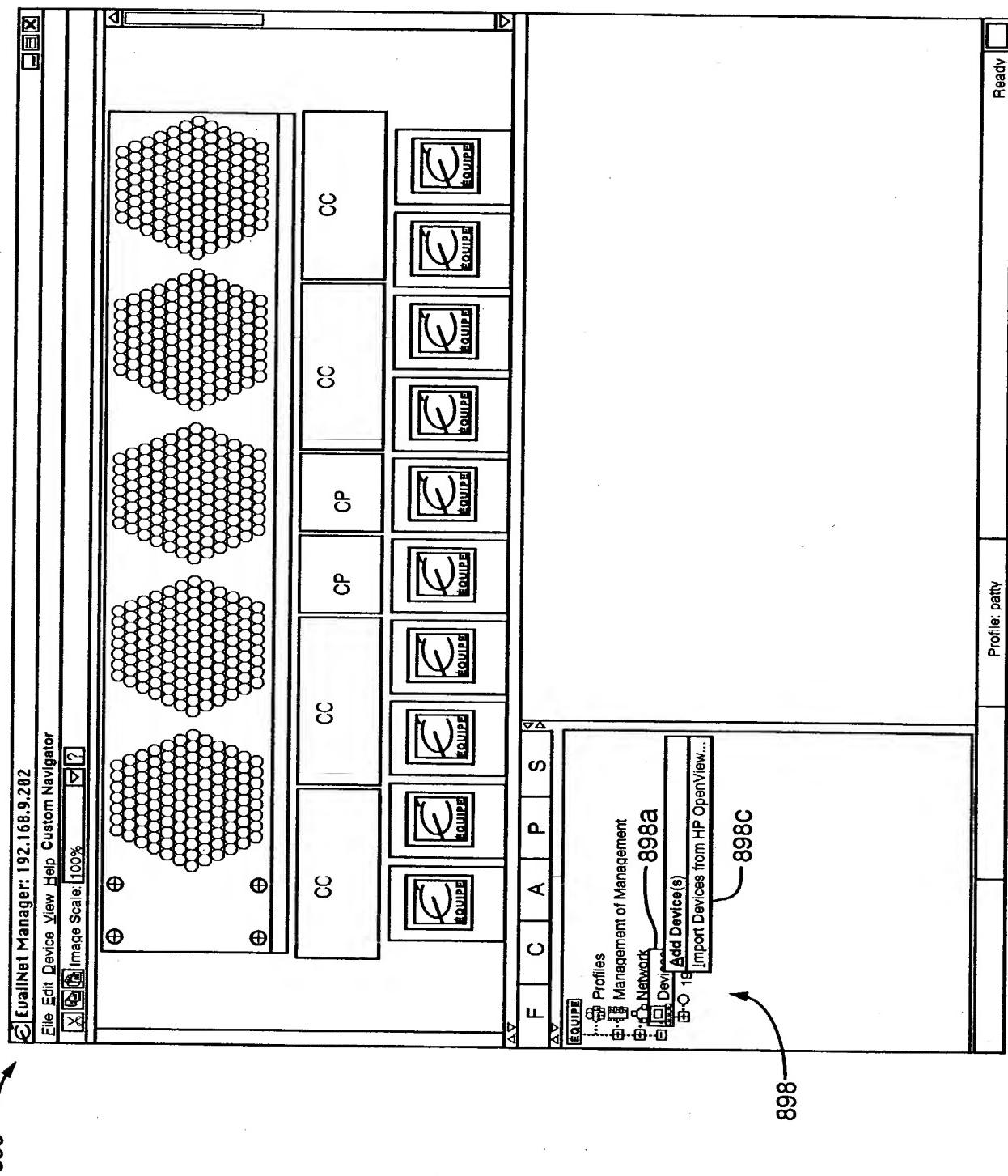


FIG. 6A

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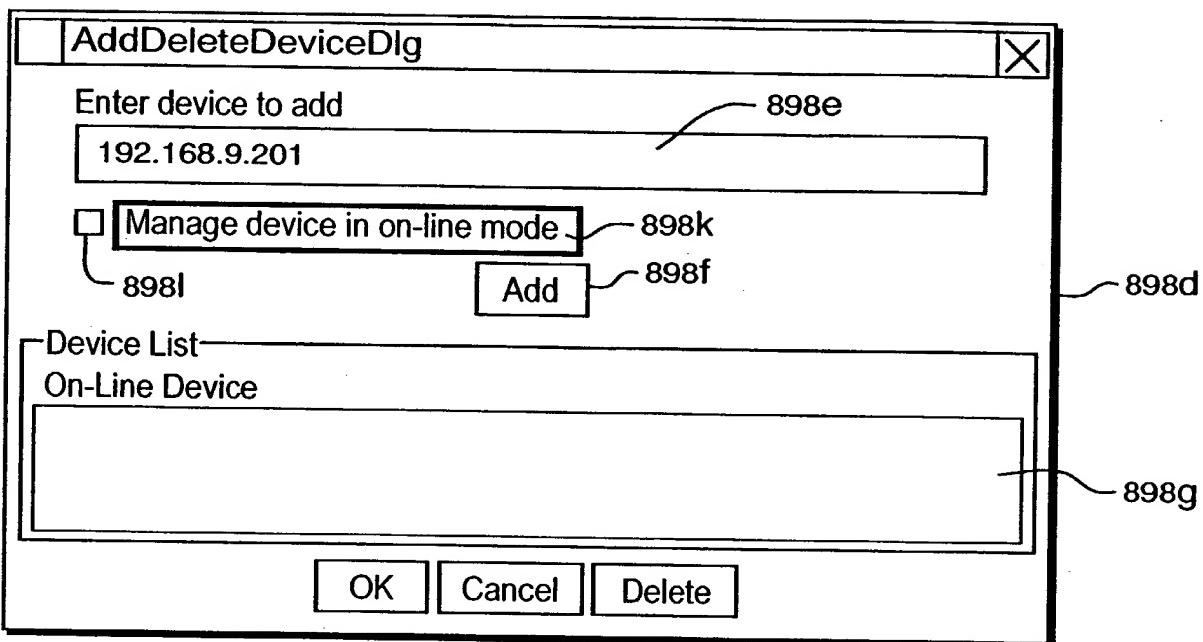


FIG. 6B

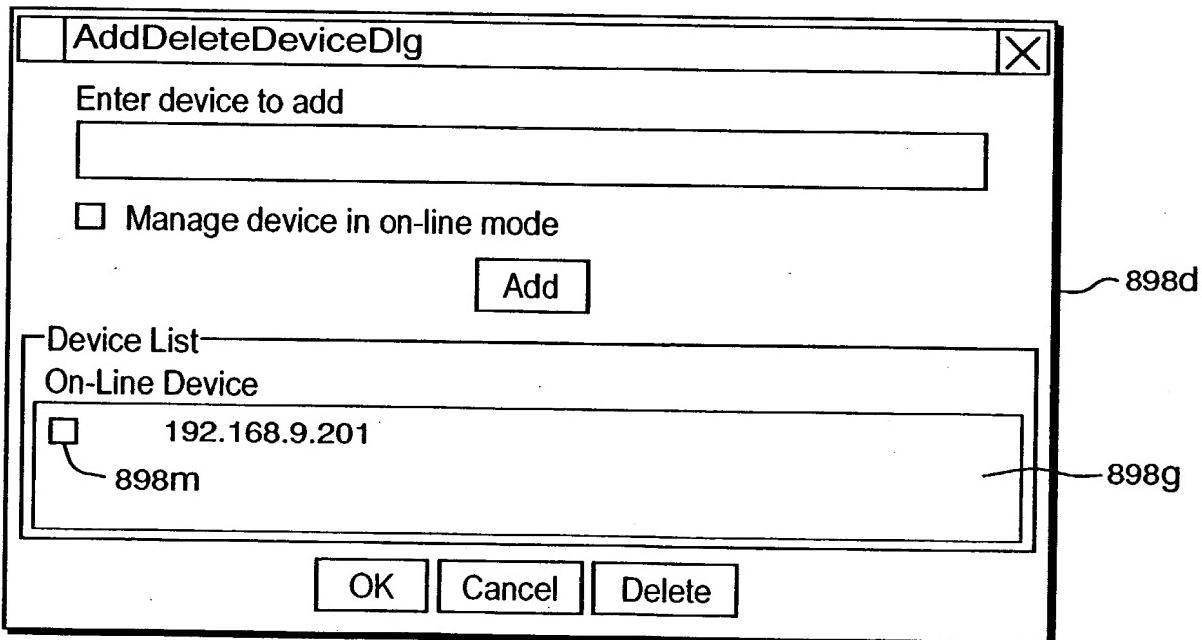
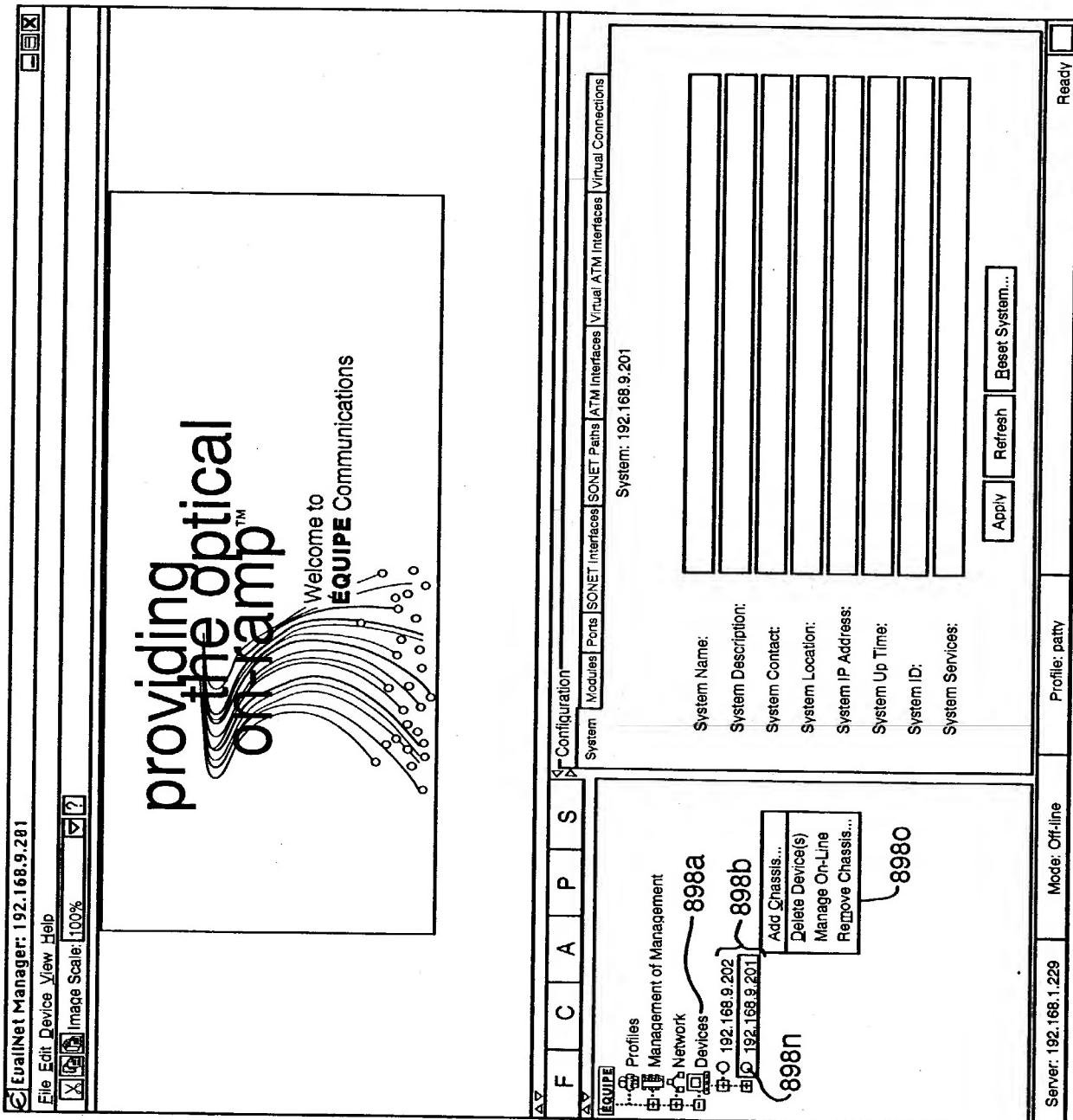


FIG. 6C



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FIG. 6D

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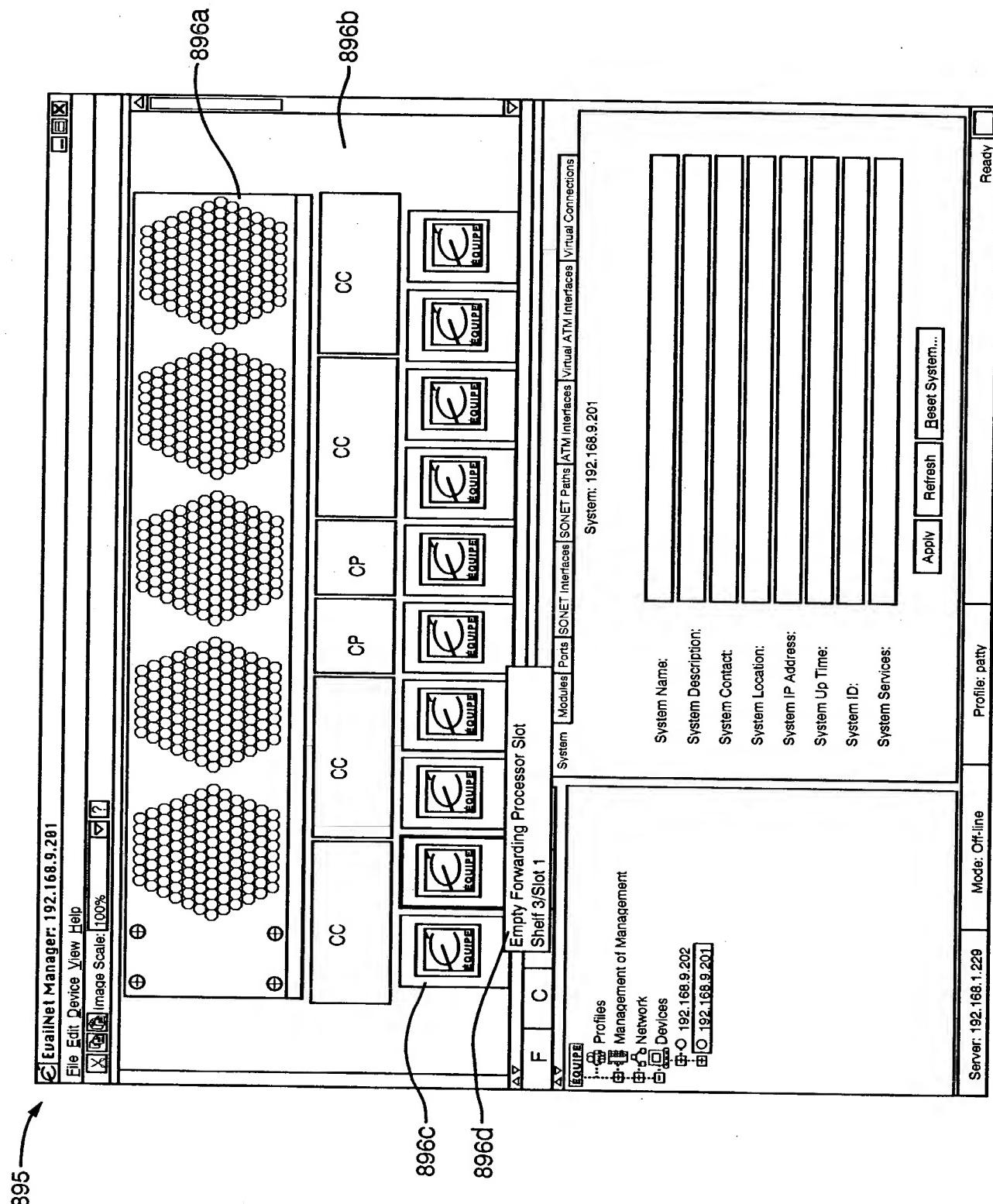


FIG. 6E

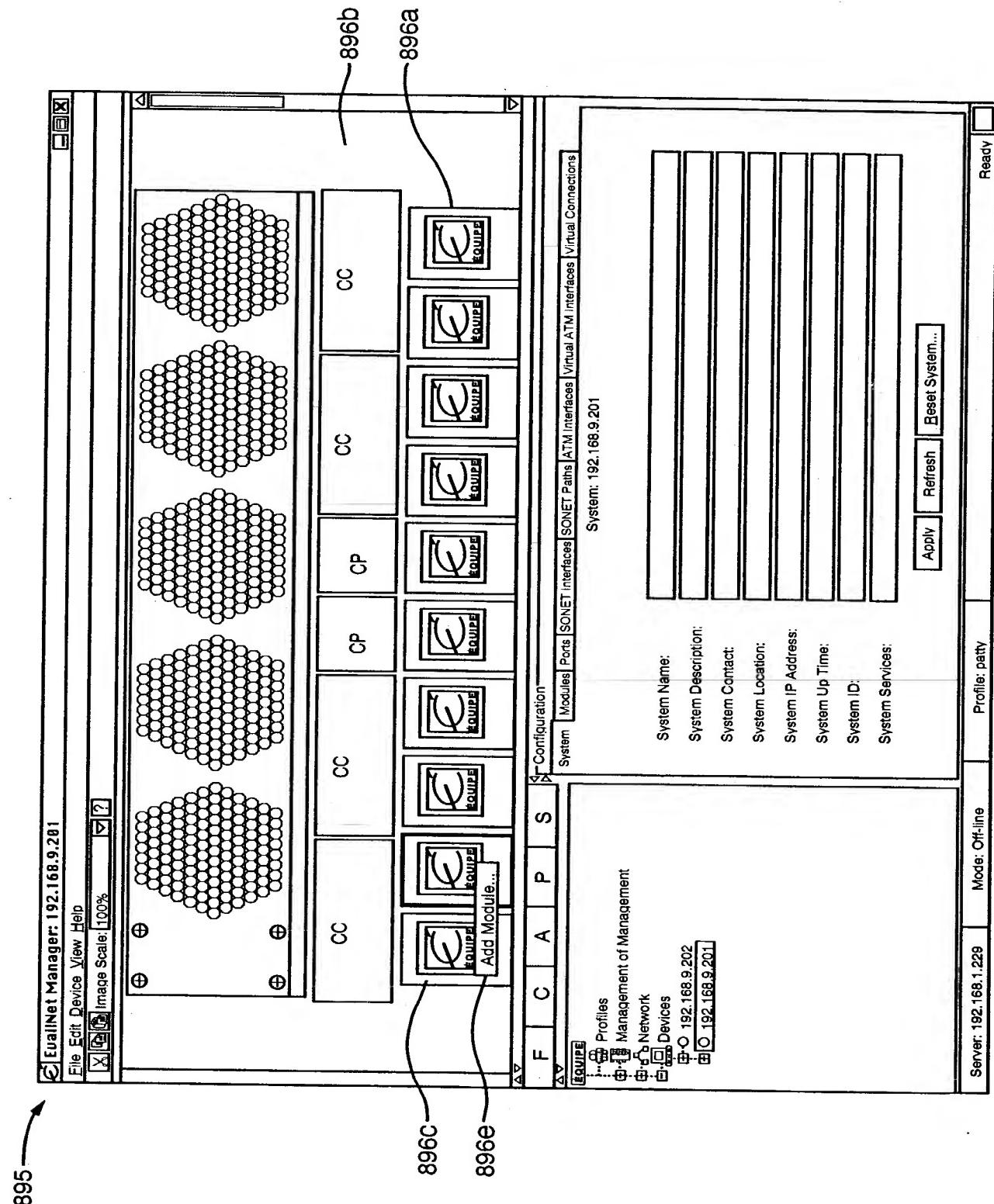


FIG. 6F

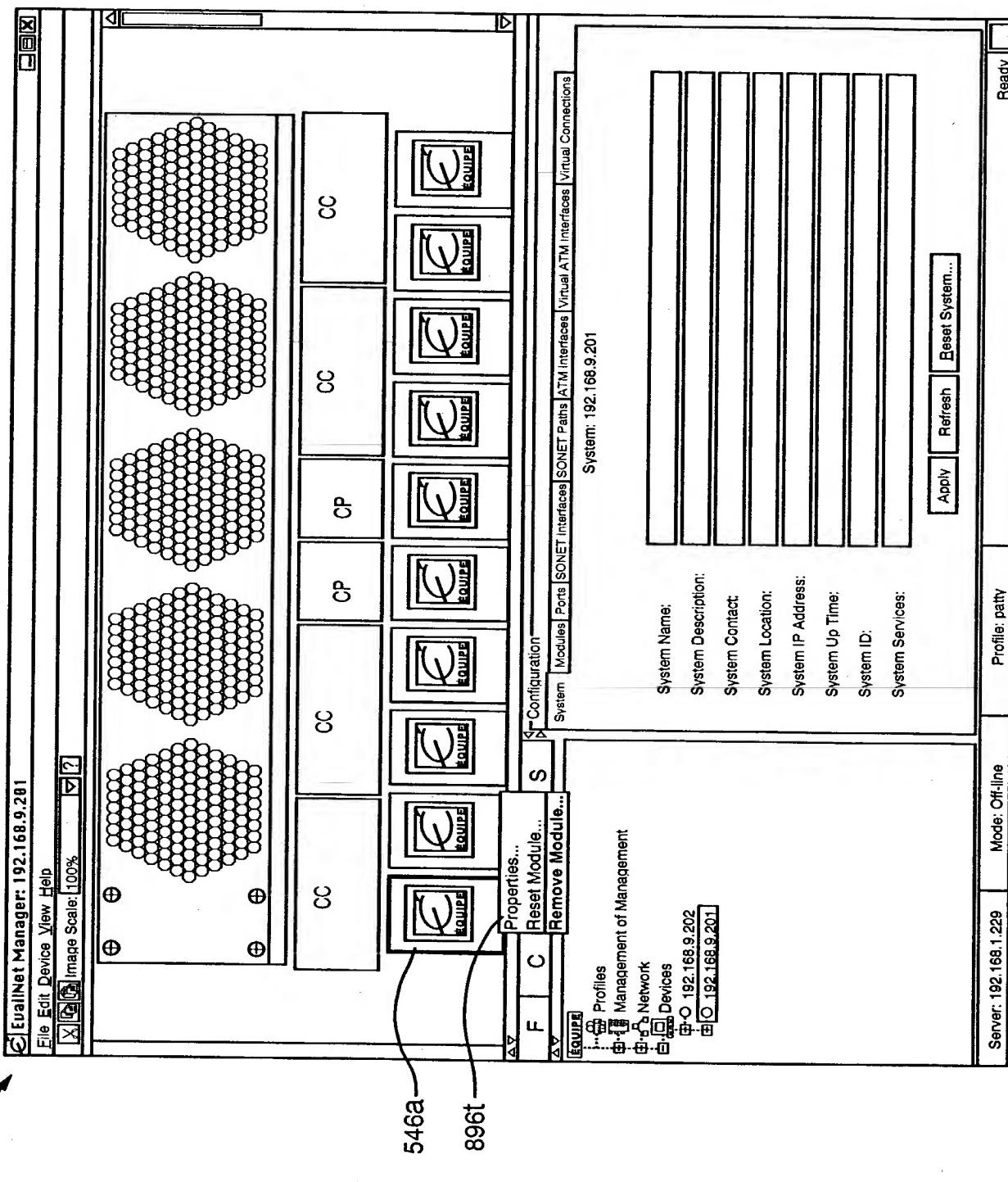
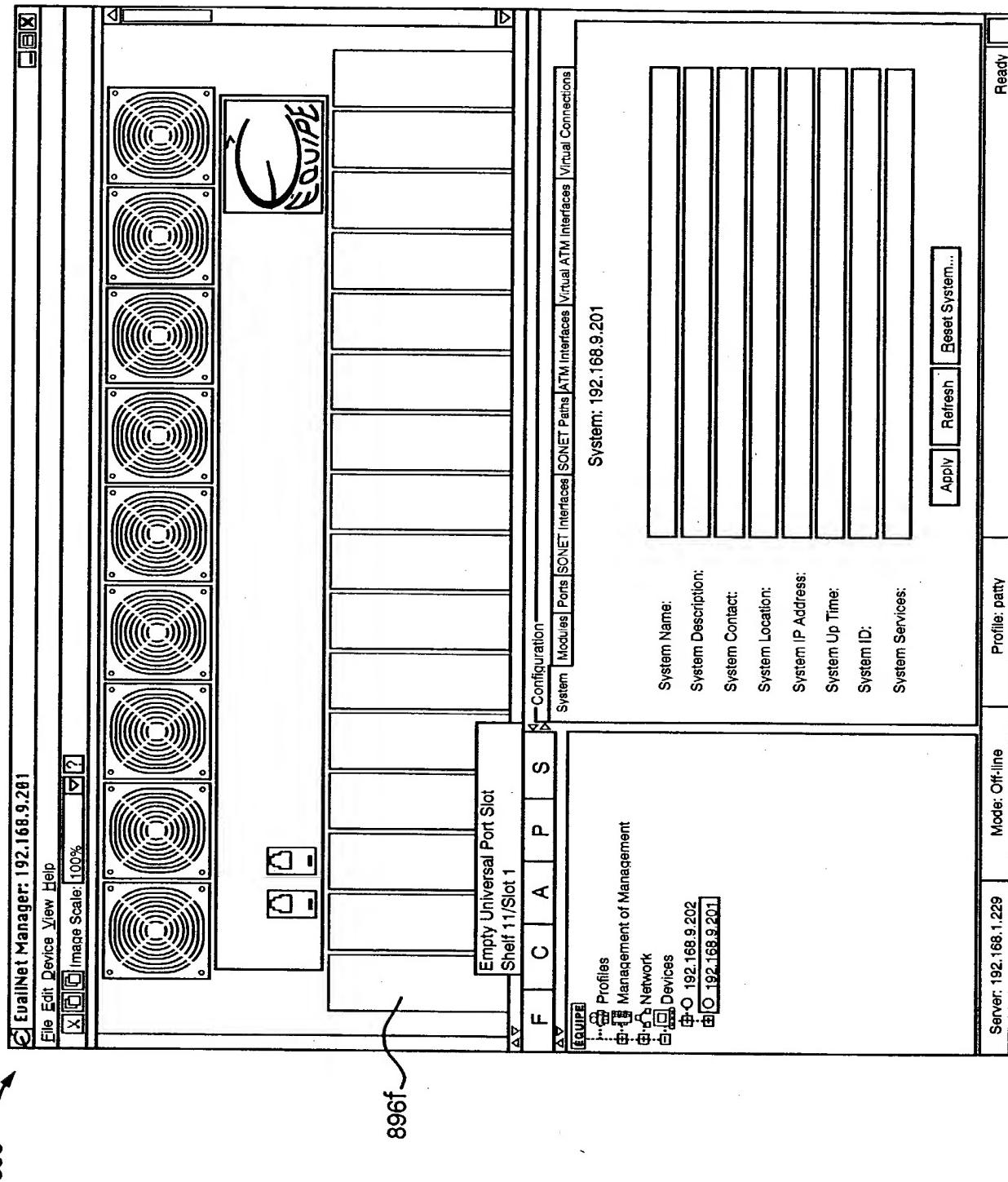
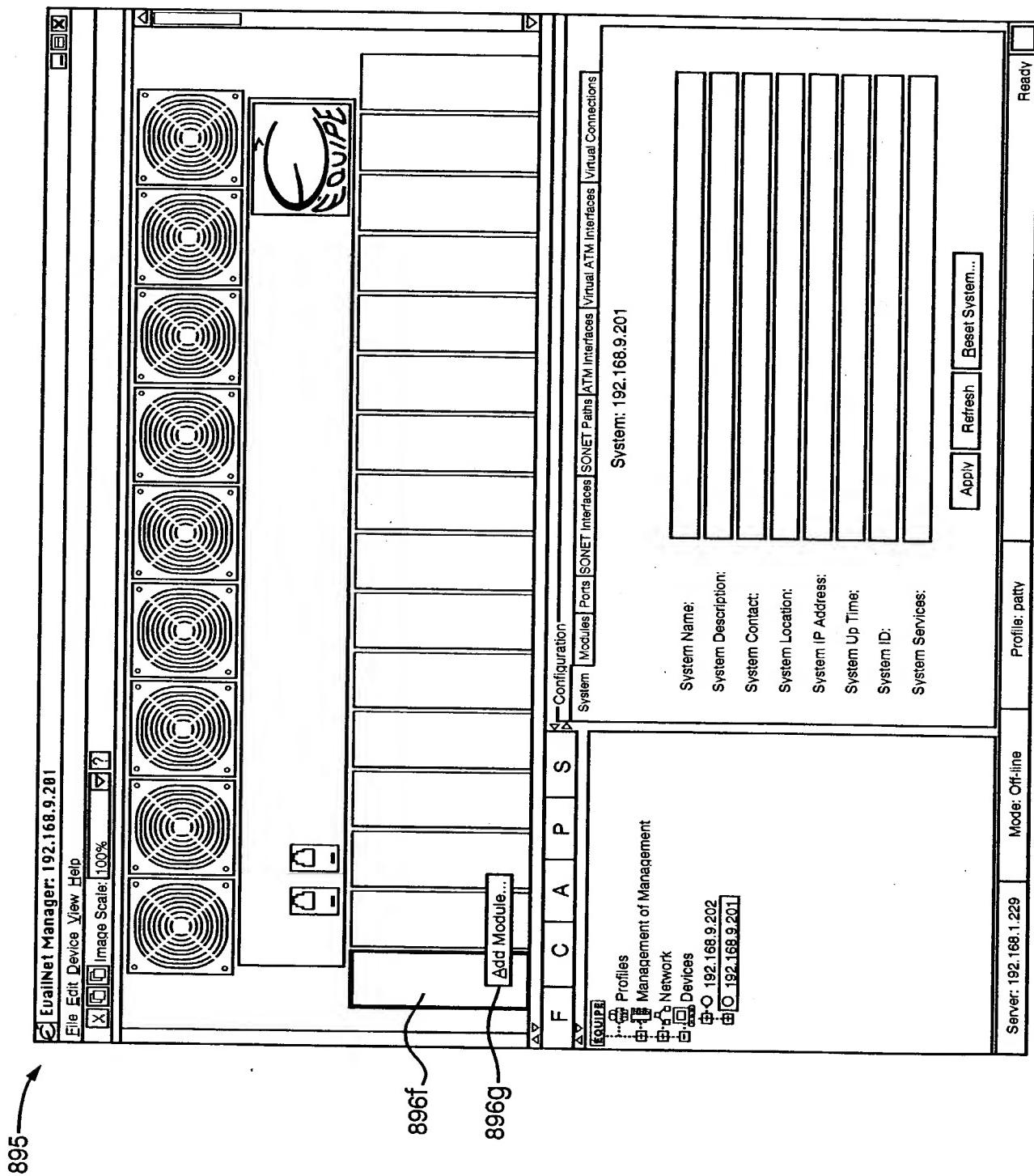


FIG. 6G



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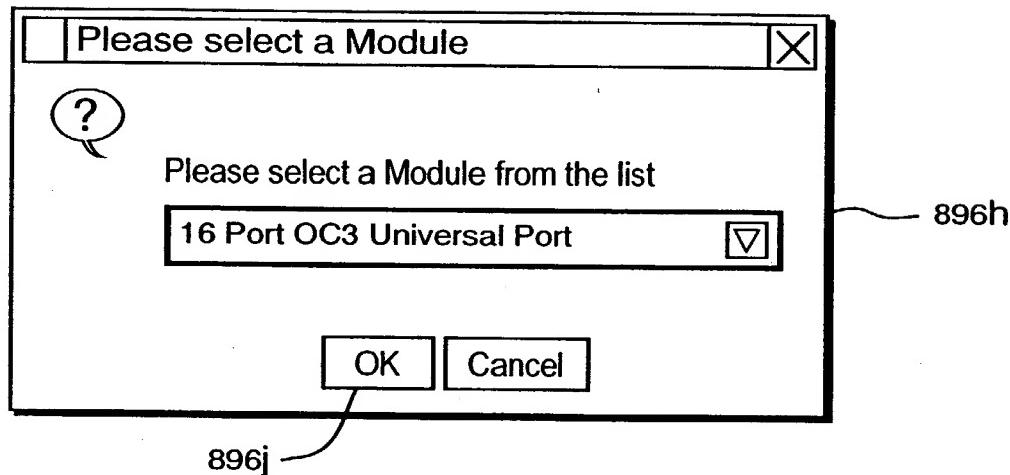


FIG. 6J

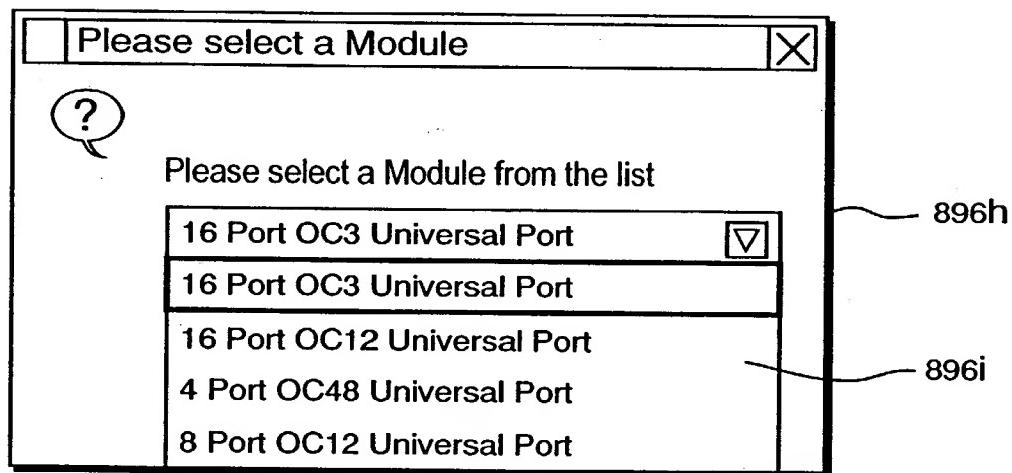


FIG. 6K

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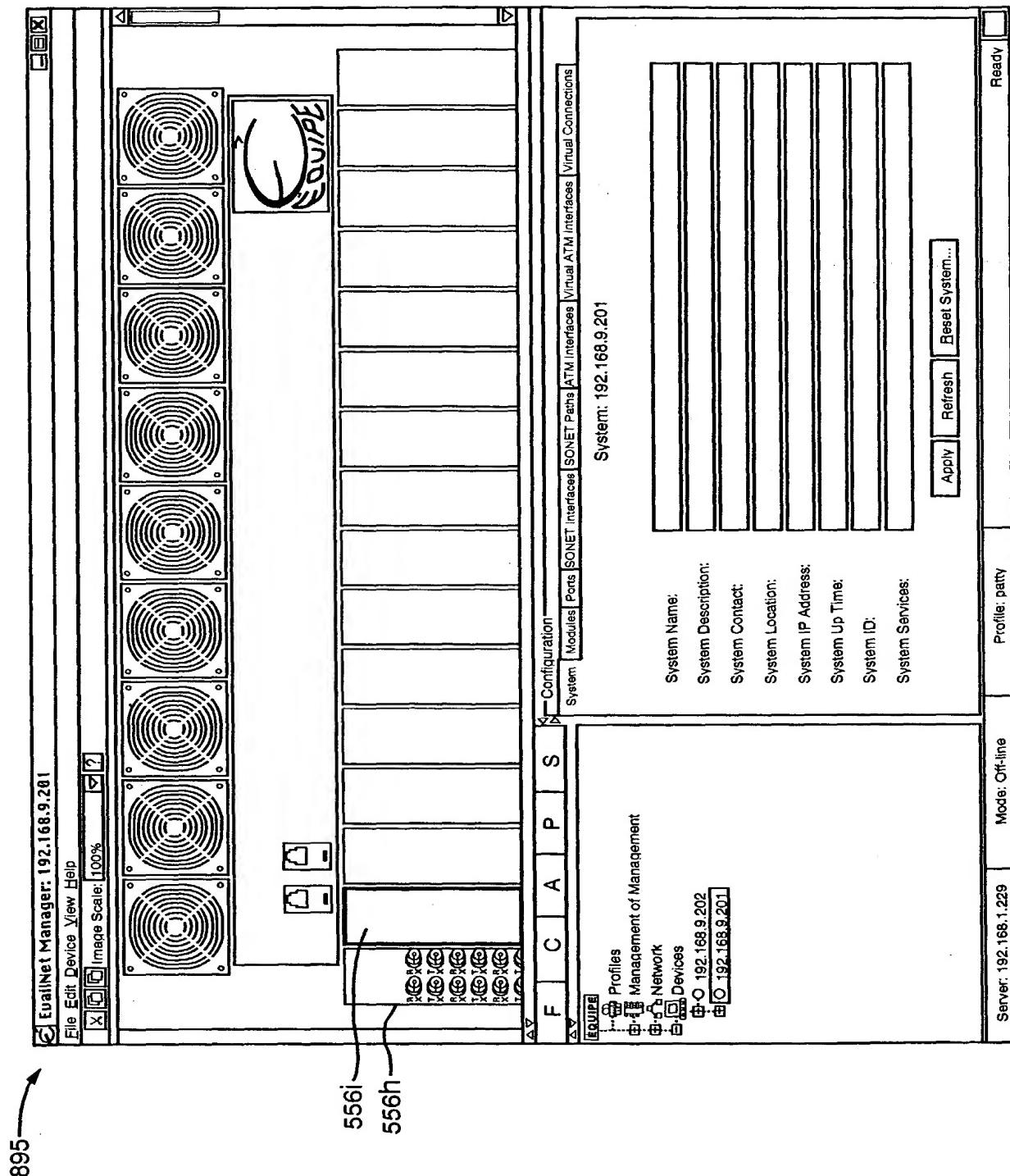


FIG. 6L

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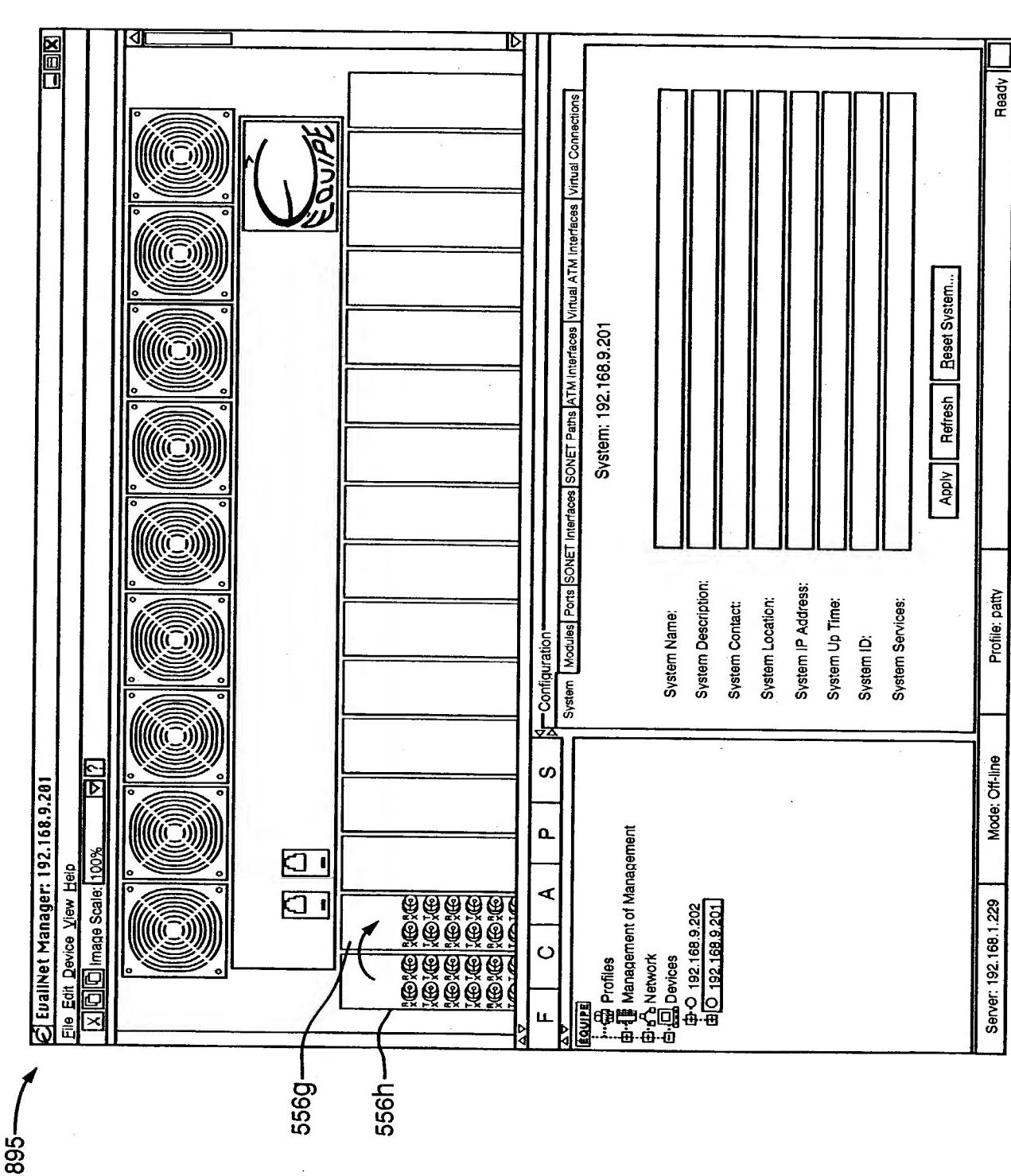
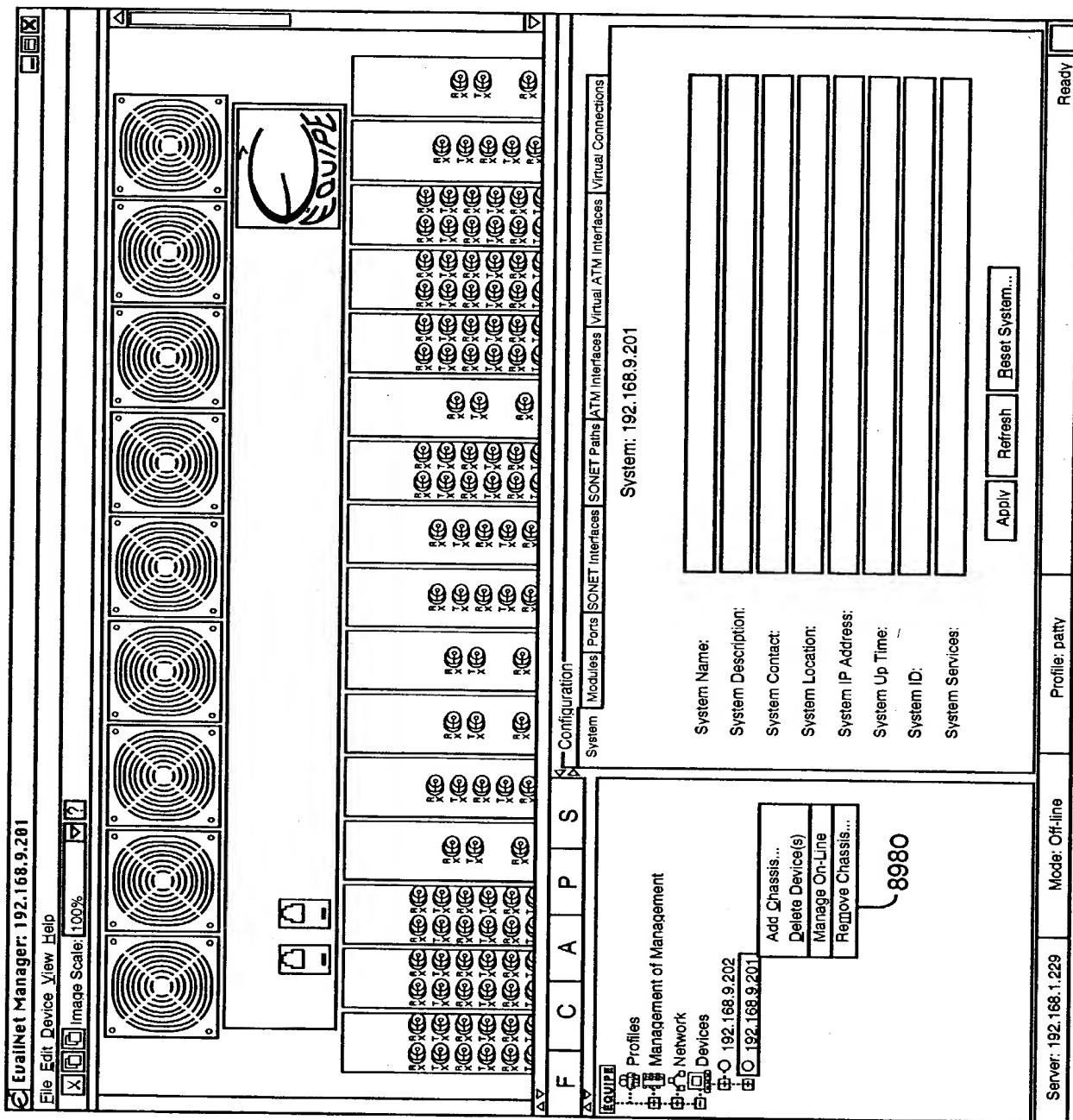


FIG. 6M



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FIG. 6N

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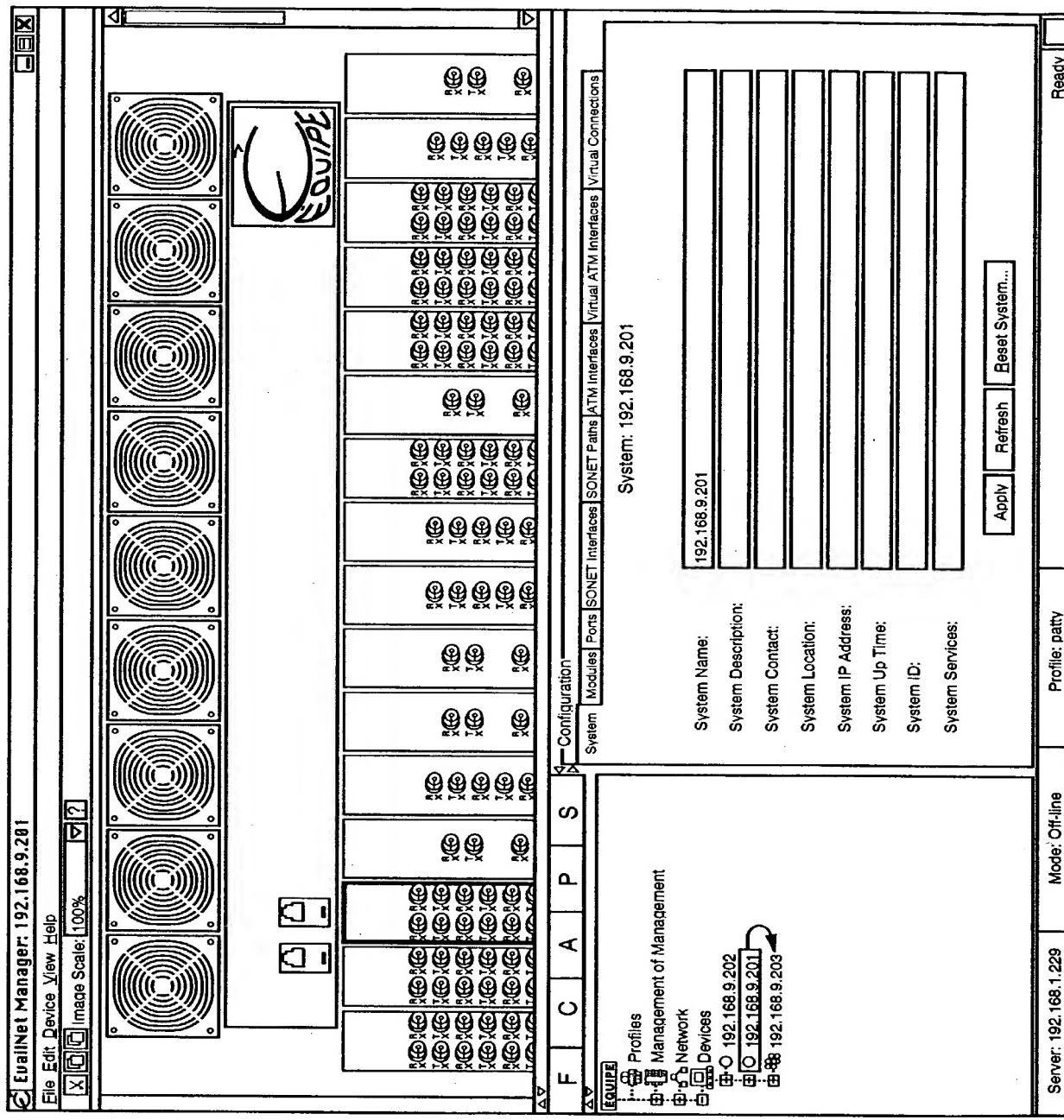
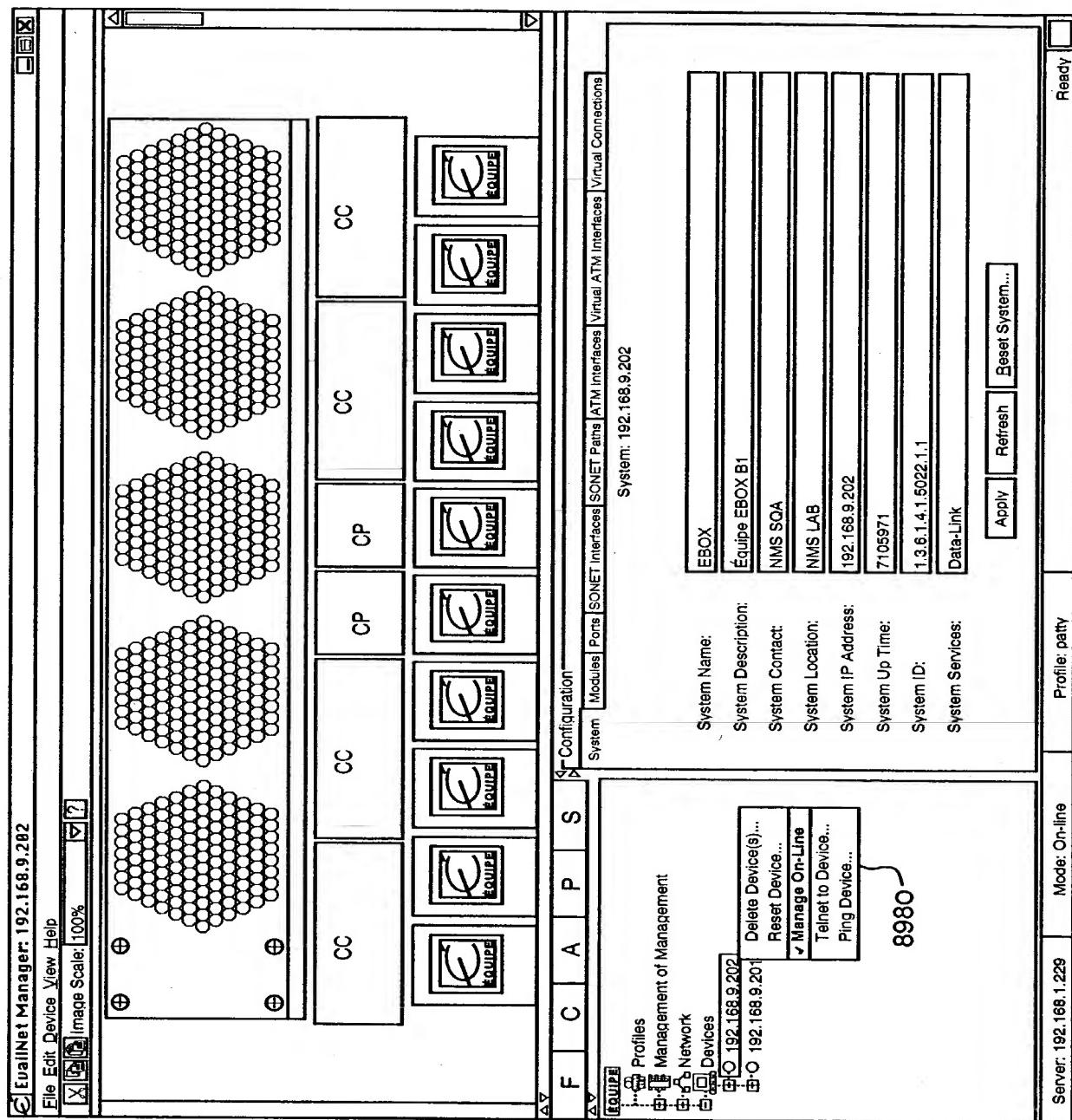


FIG. 60

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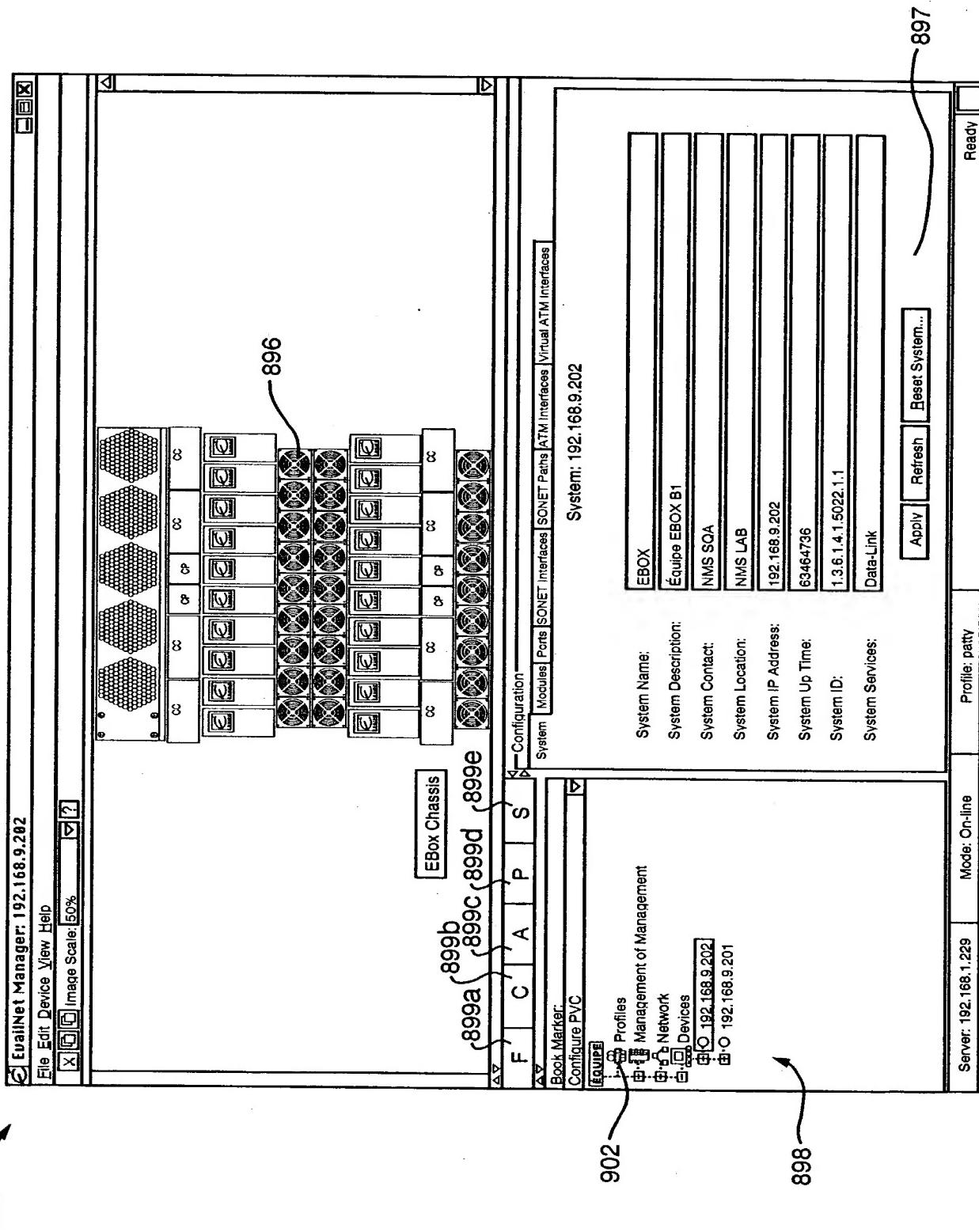


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FIG. 6P

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FIG. 7A

1995年1月1日-1996年1月1日

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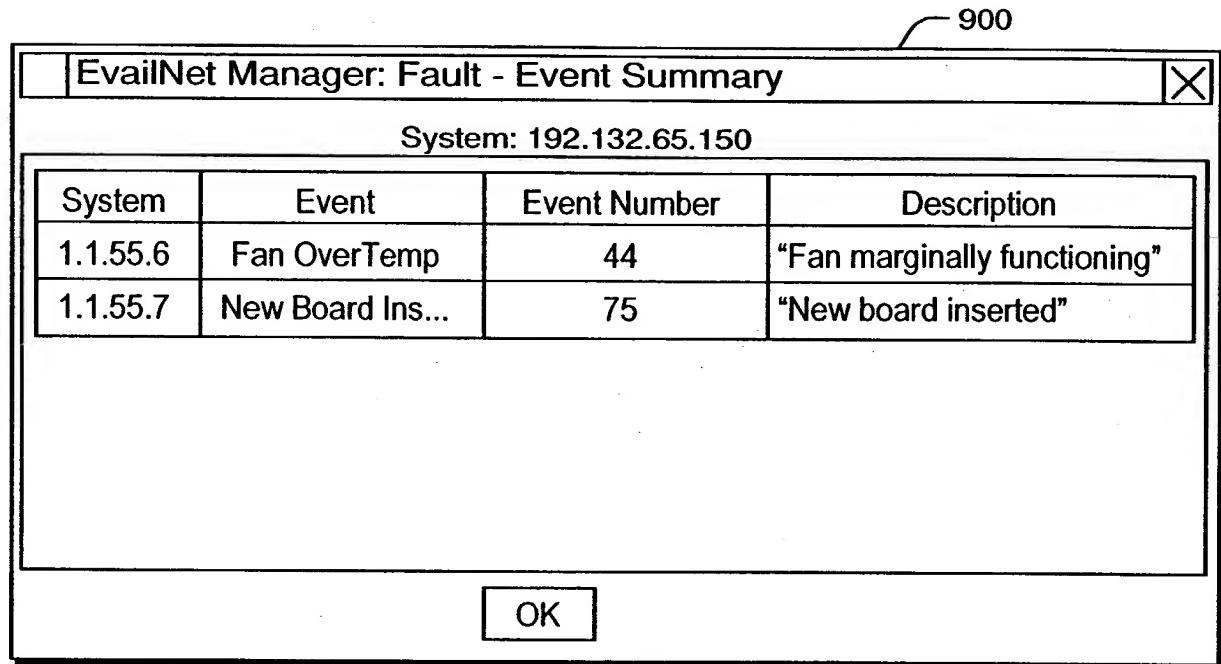


FIG. 7B

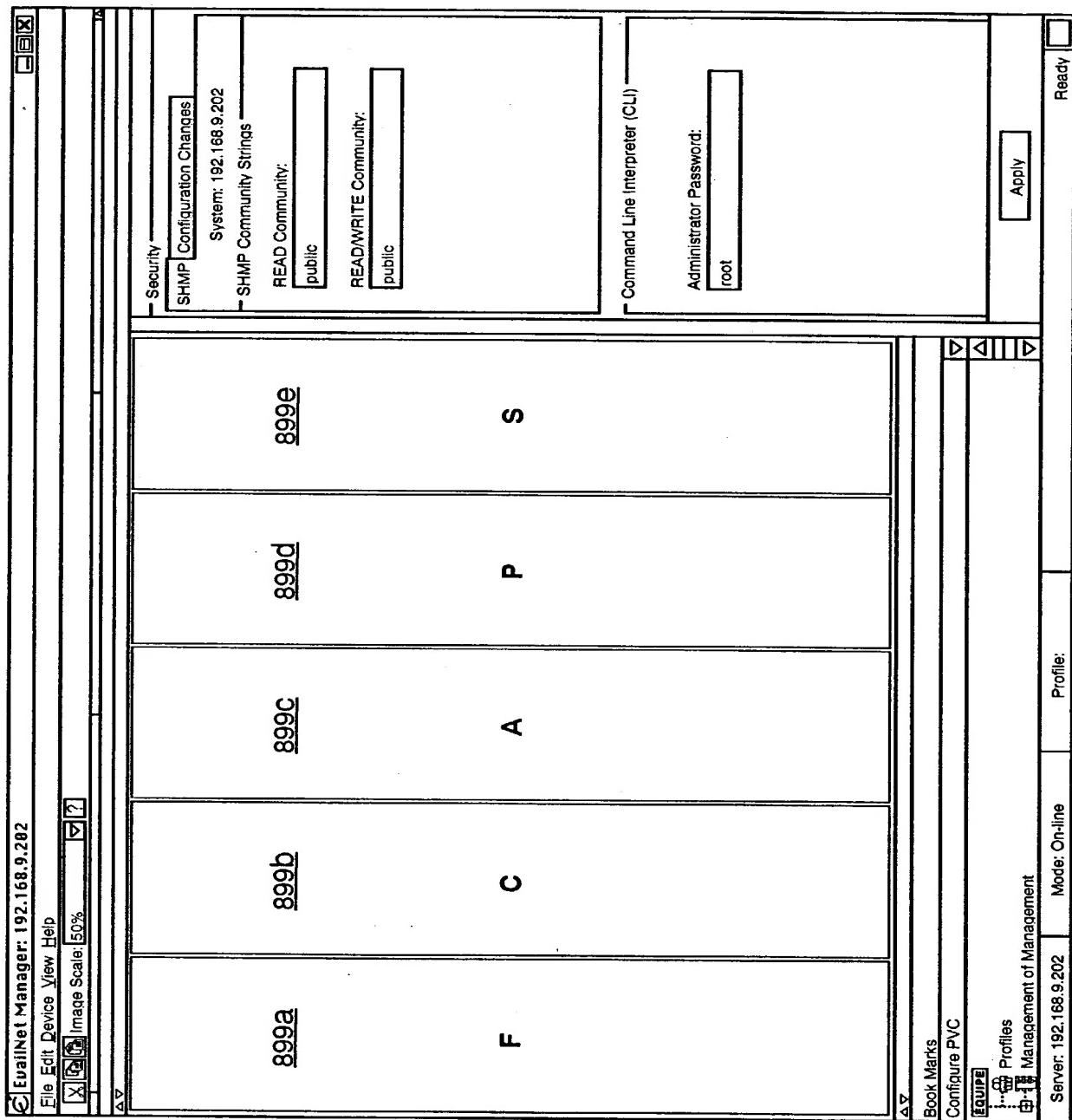


FIG. 7C

102689-85

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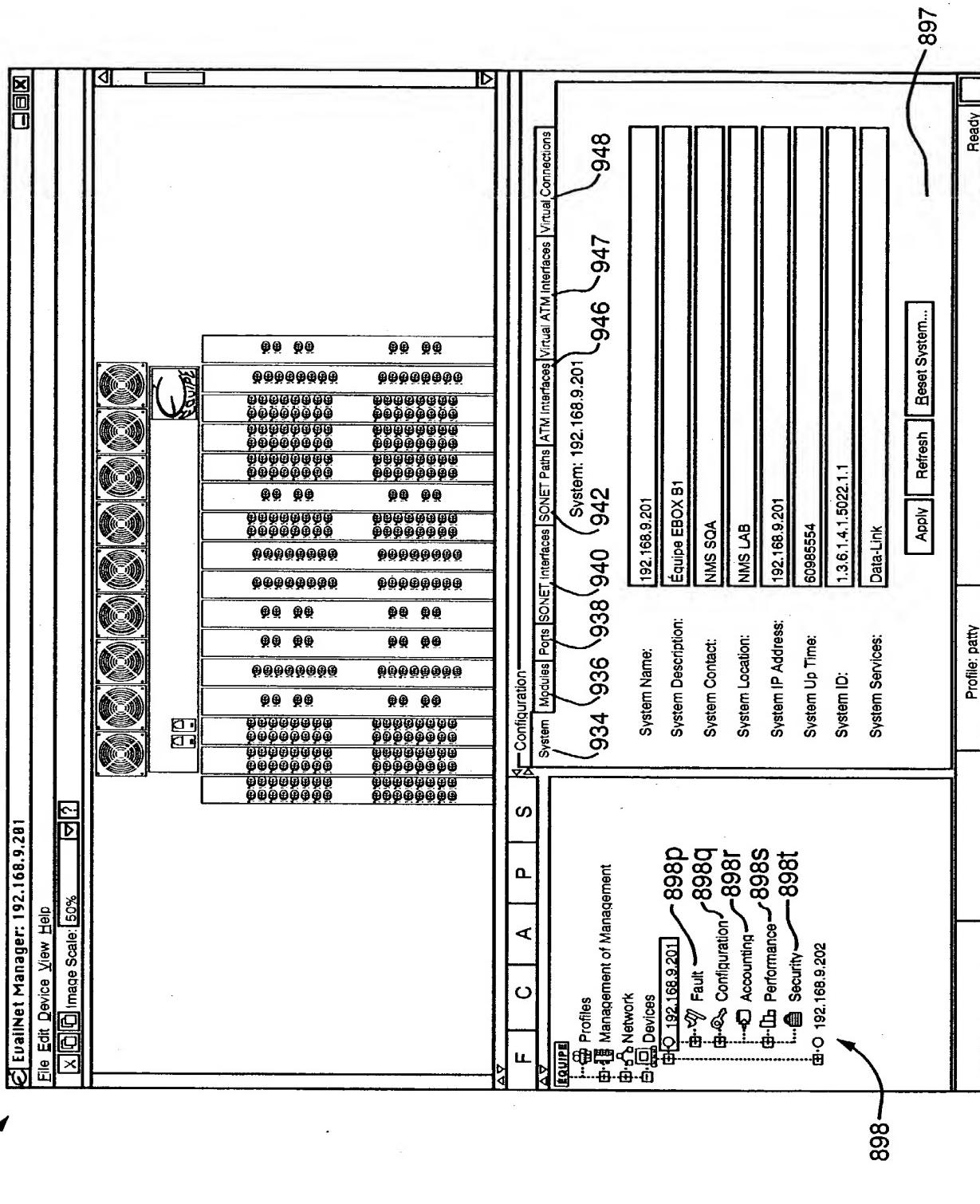


FIG. 7D

102689-85

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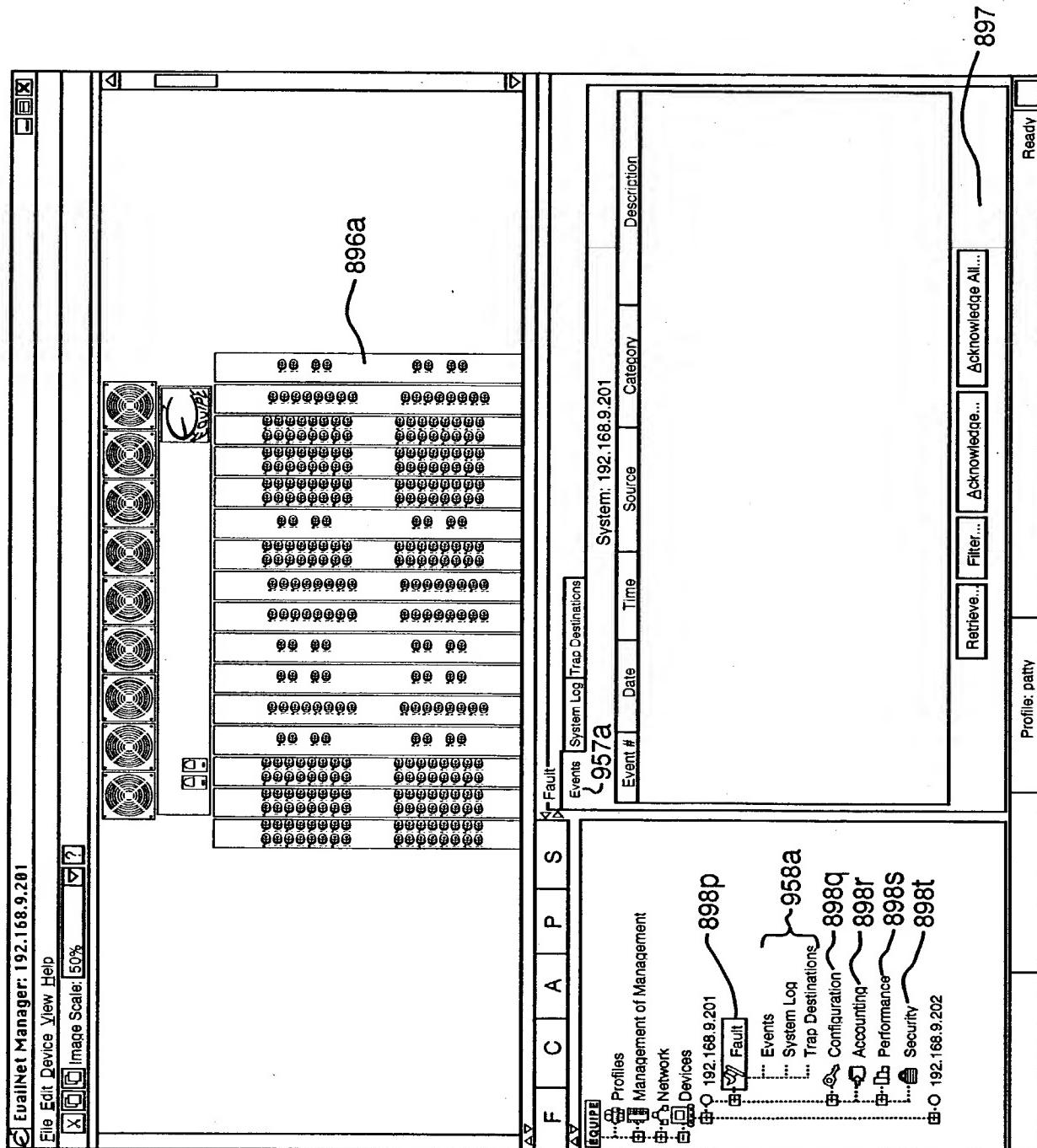
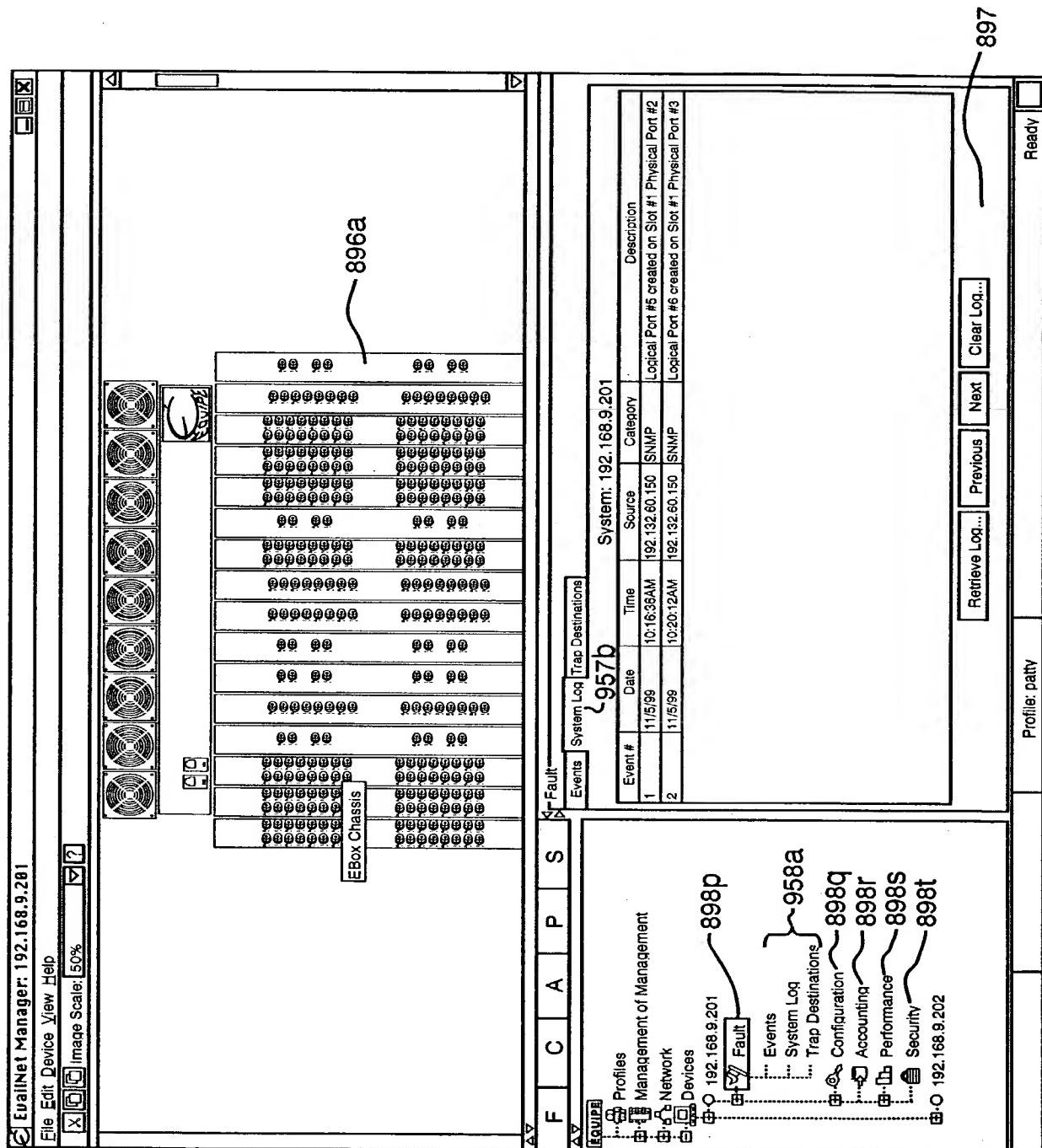


FIG. 7E

102689-85

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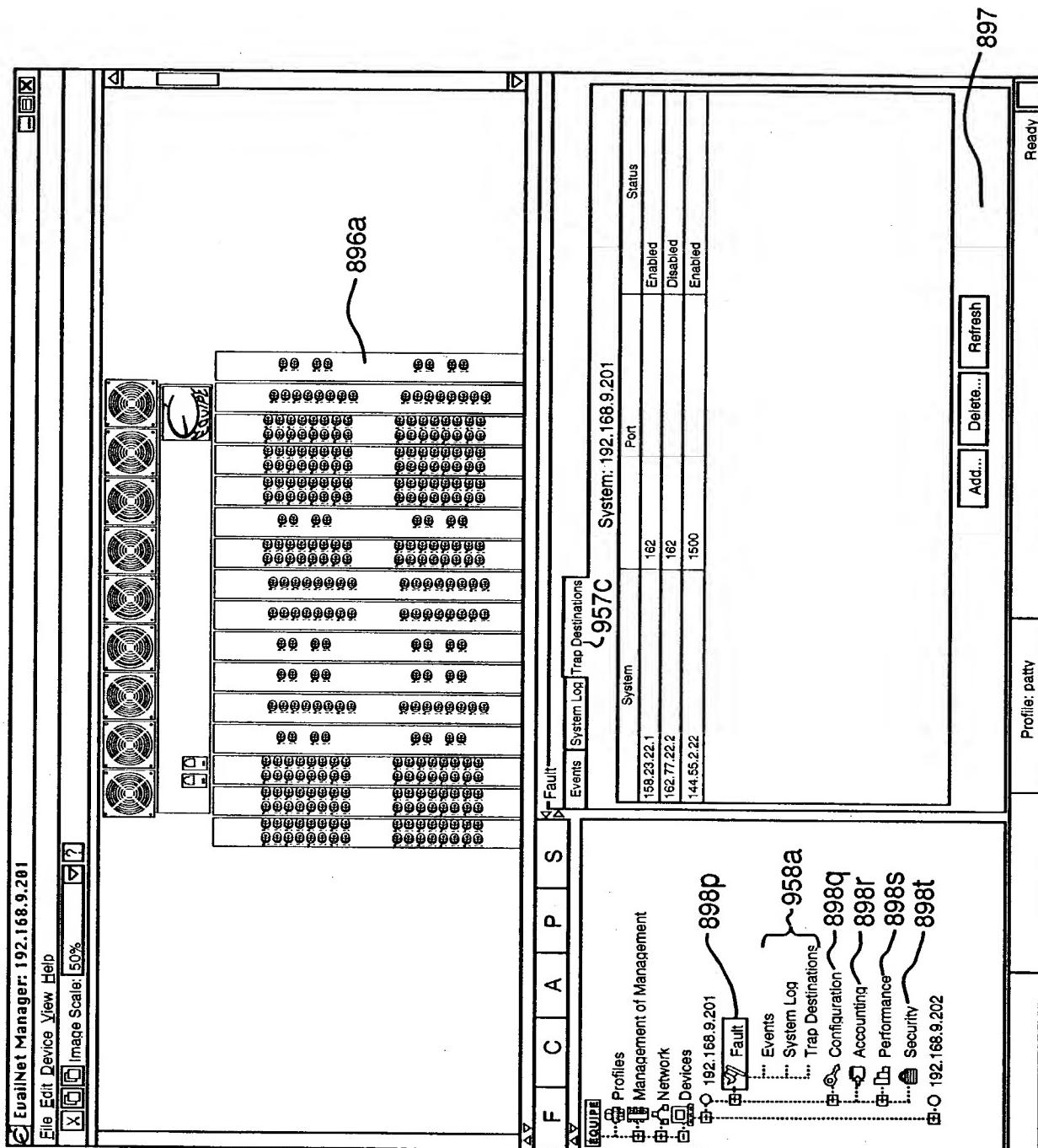


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FIG. 7F

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FIG. 7G

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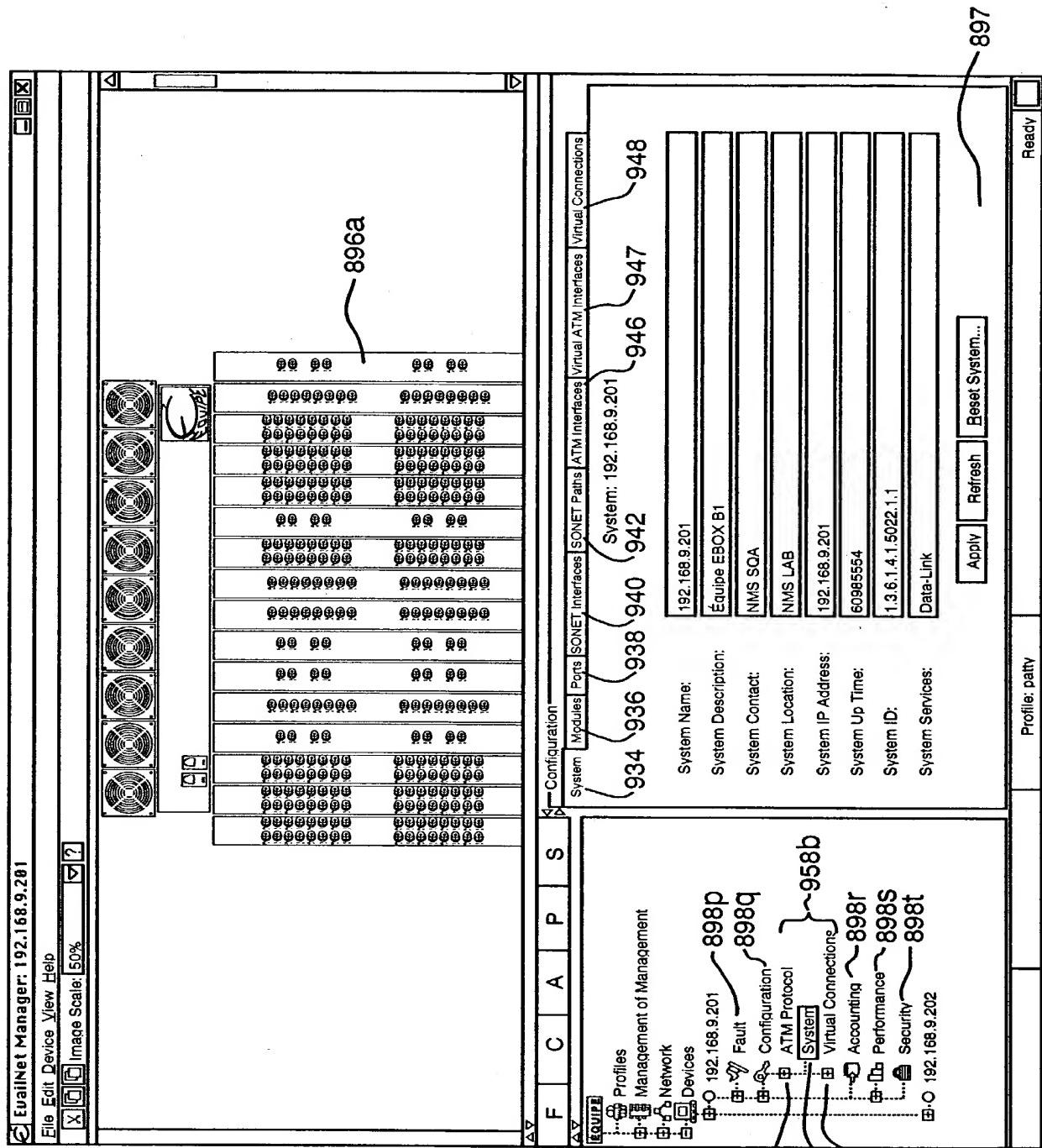
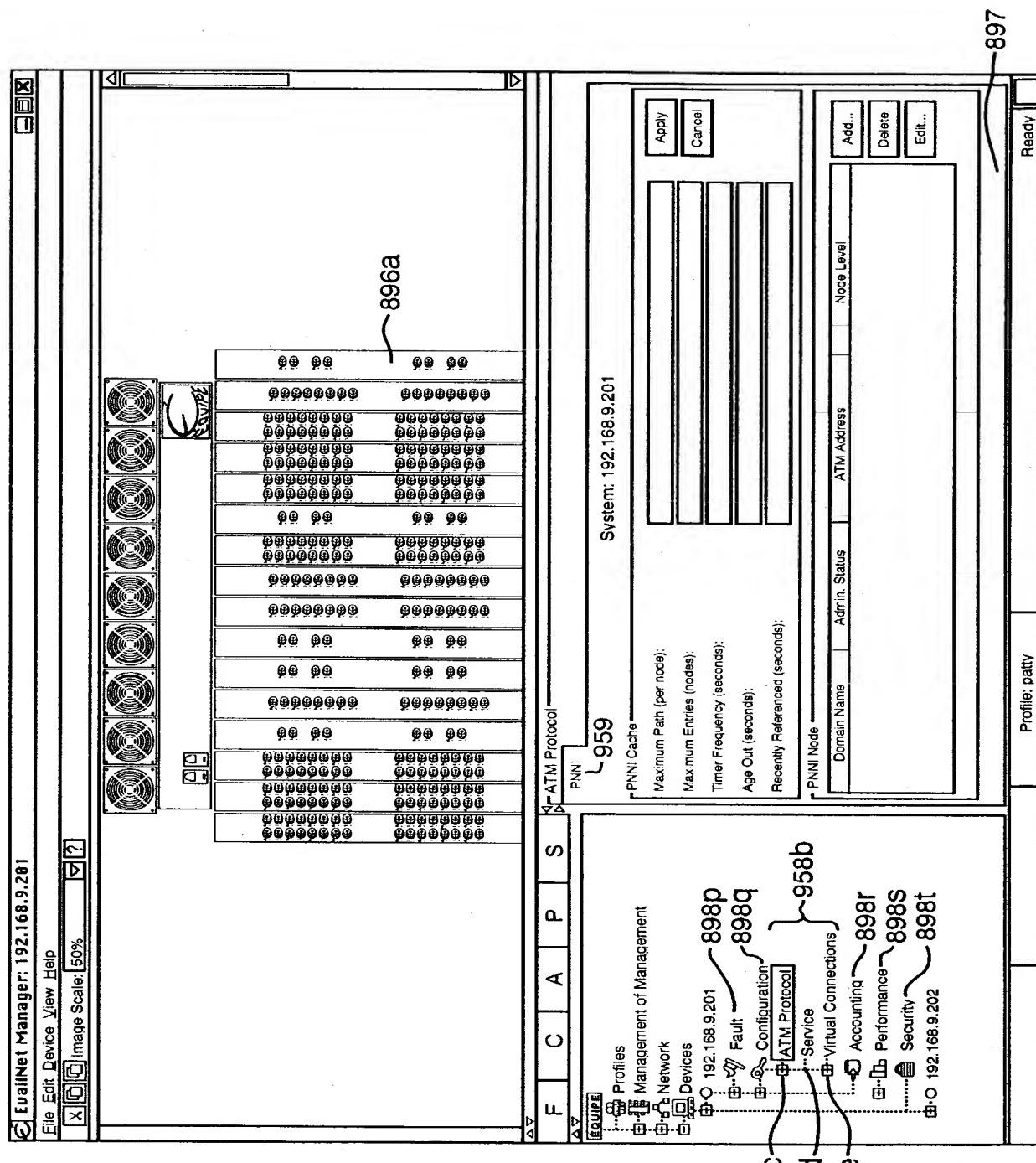


FIG. 7H

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FIG. 71

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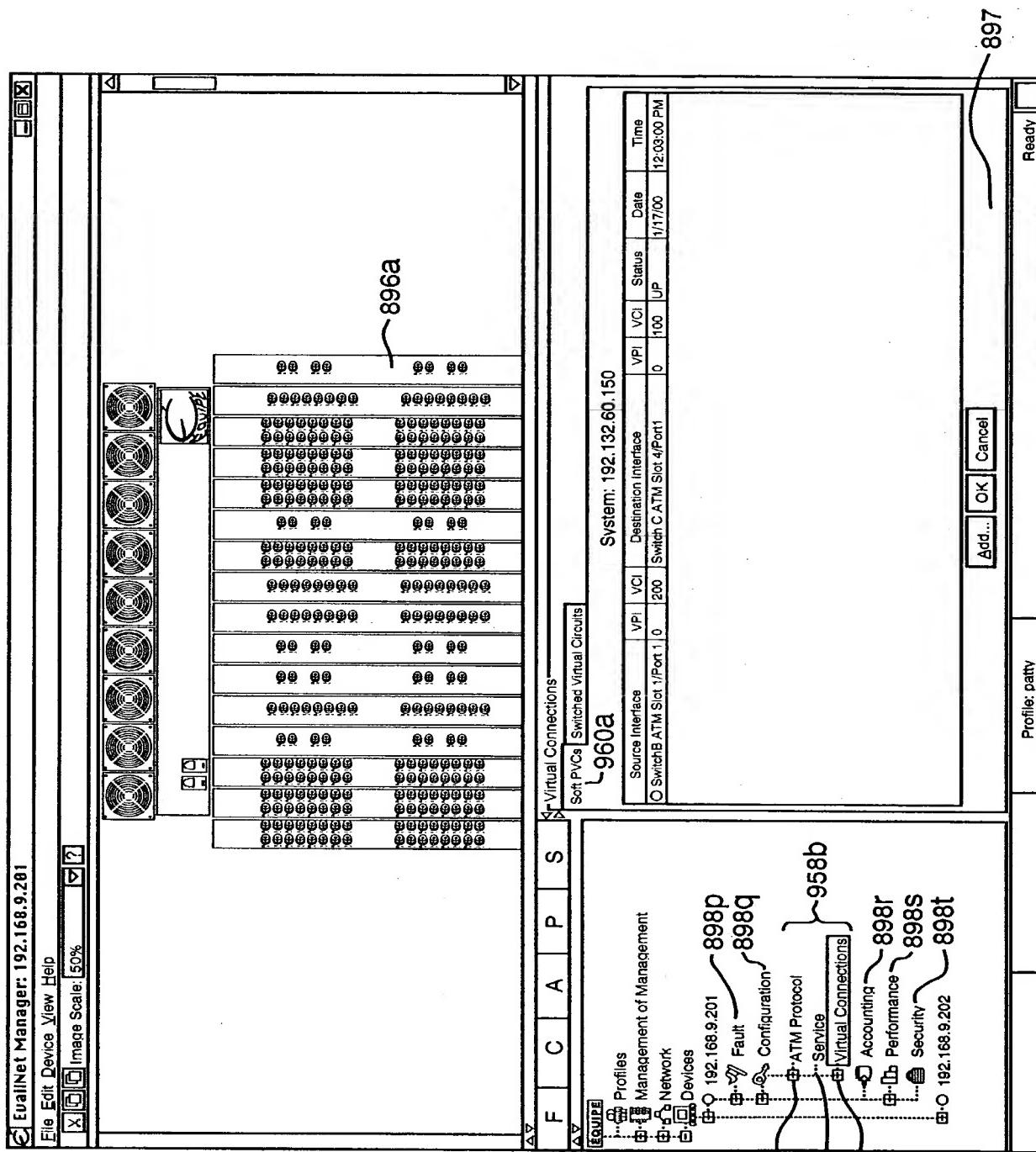
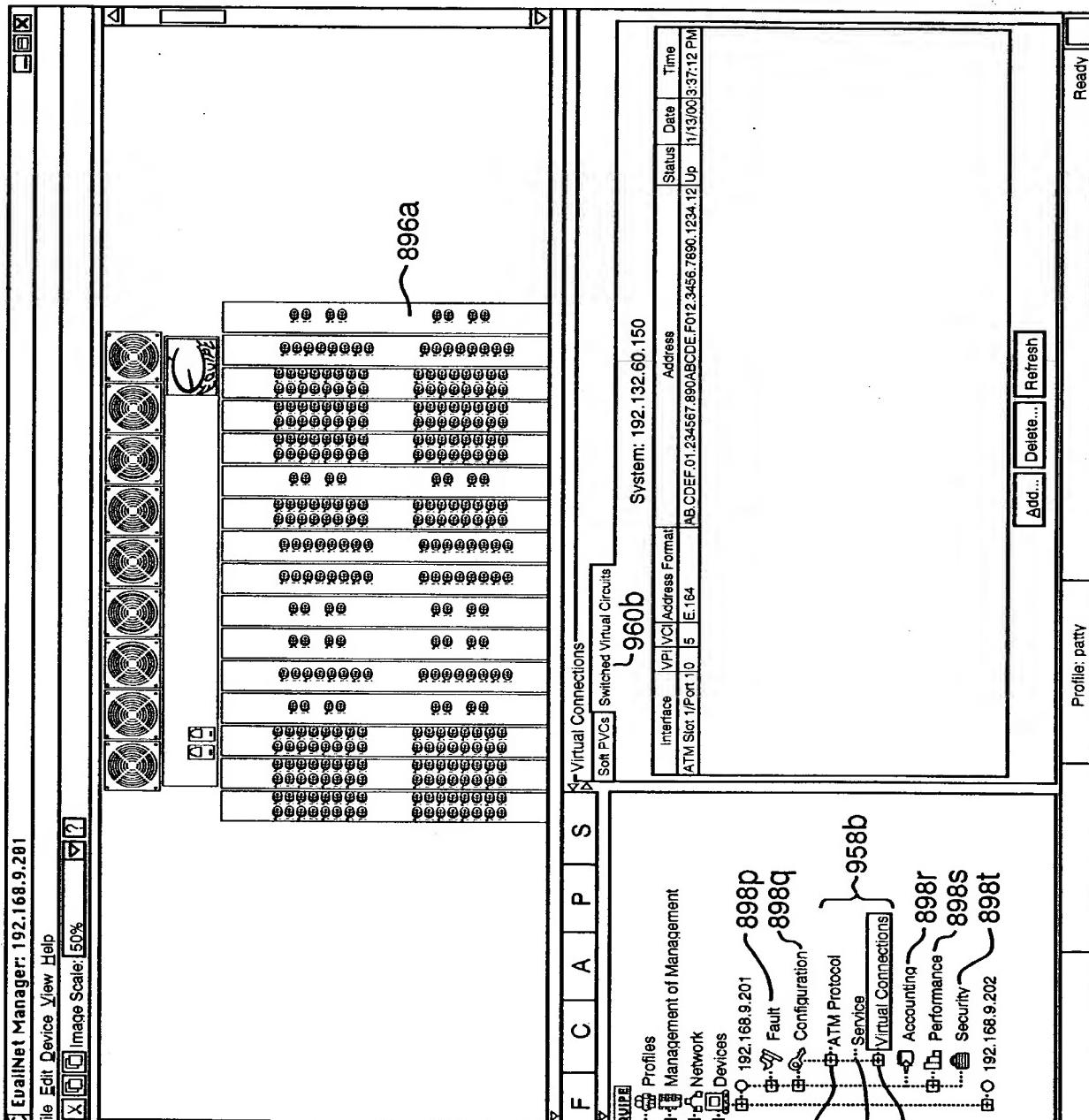


FIG. 7J

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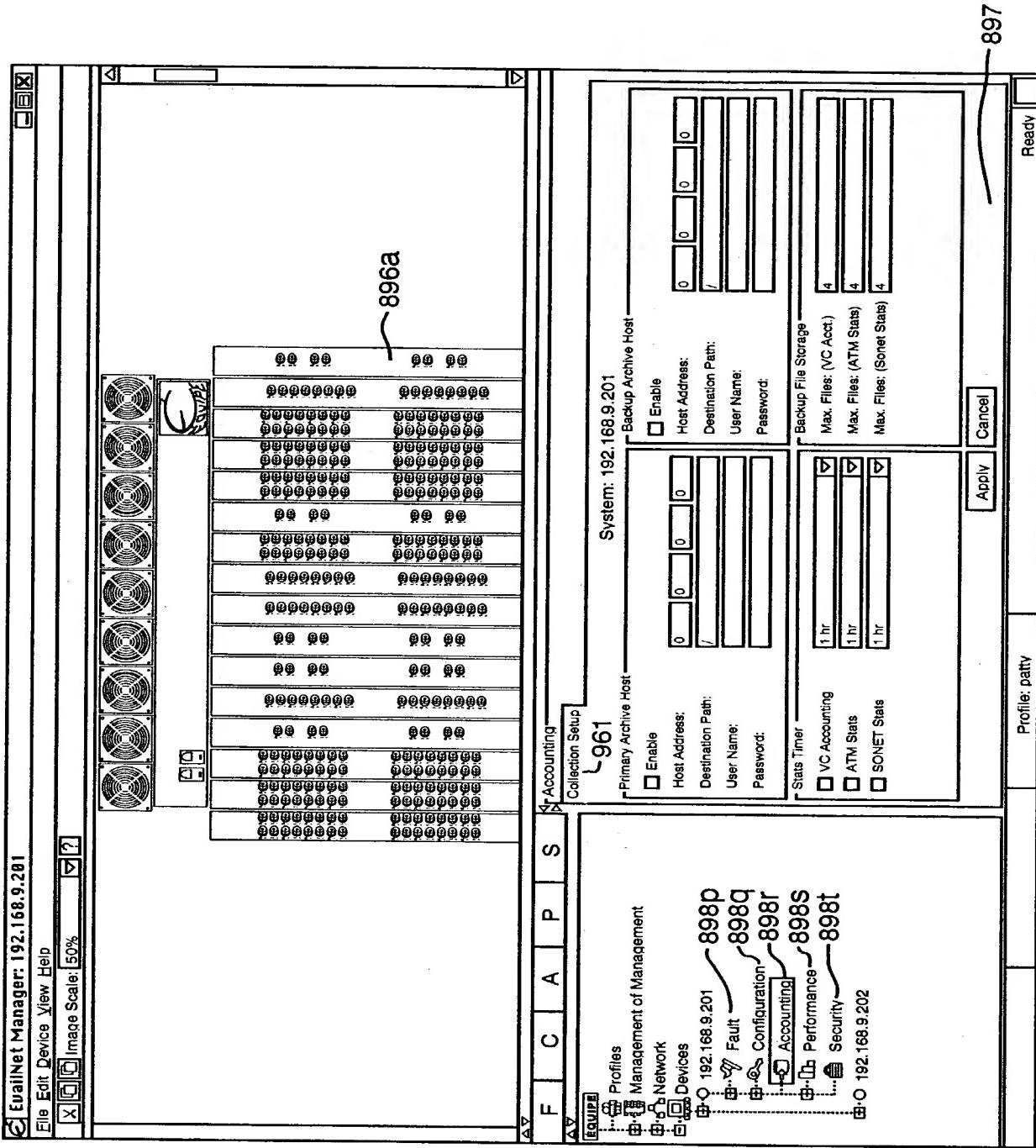


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FIG. 7K

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FIG. 7L

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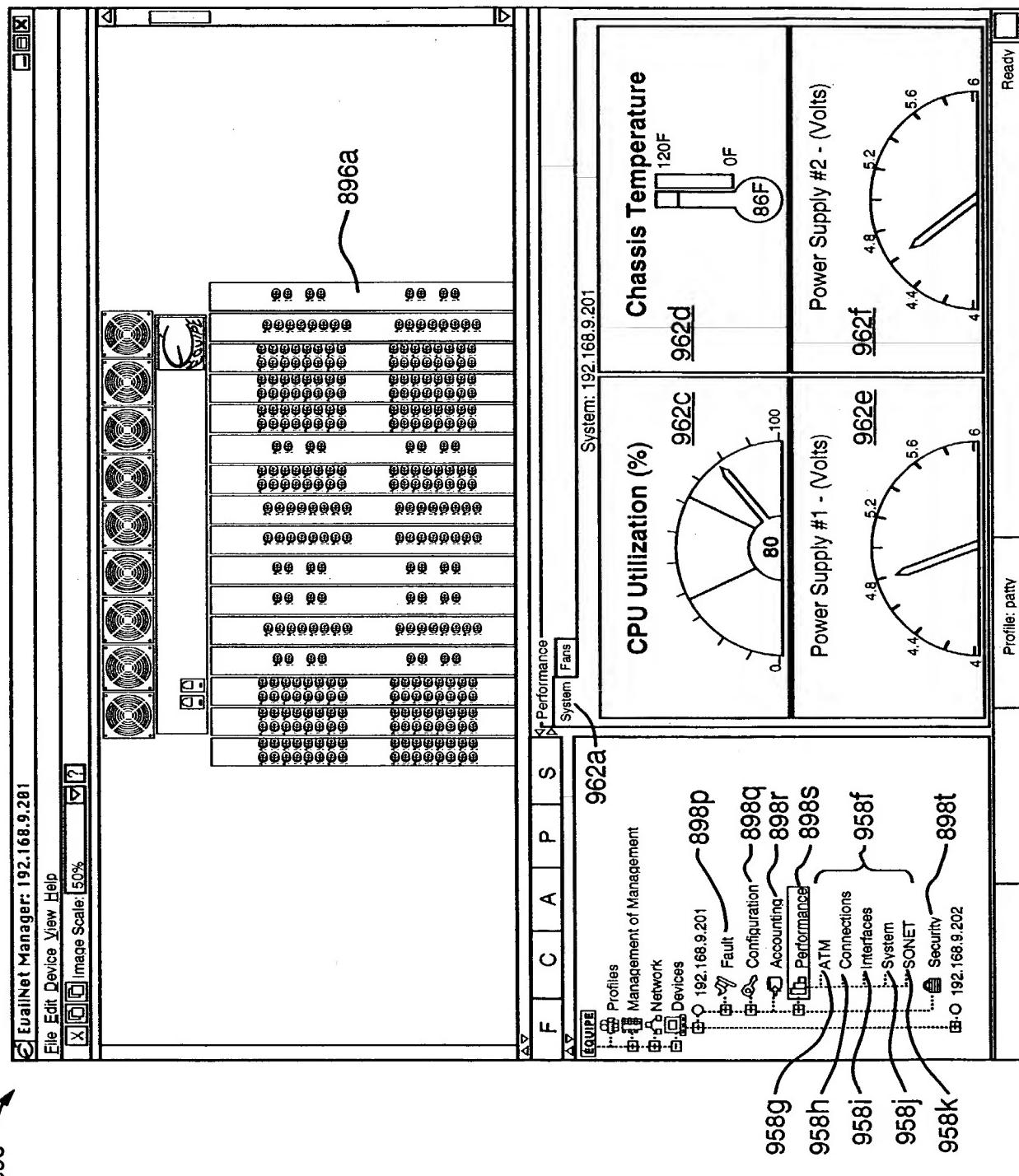


FIG. 7M

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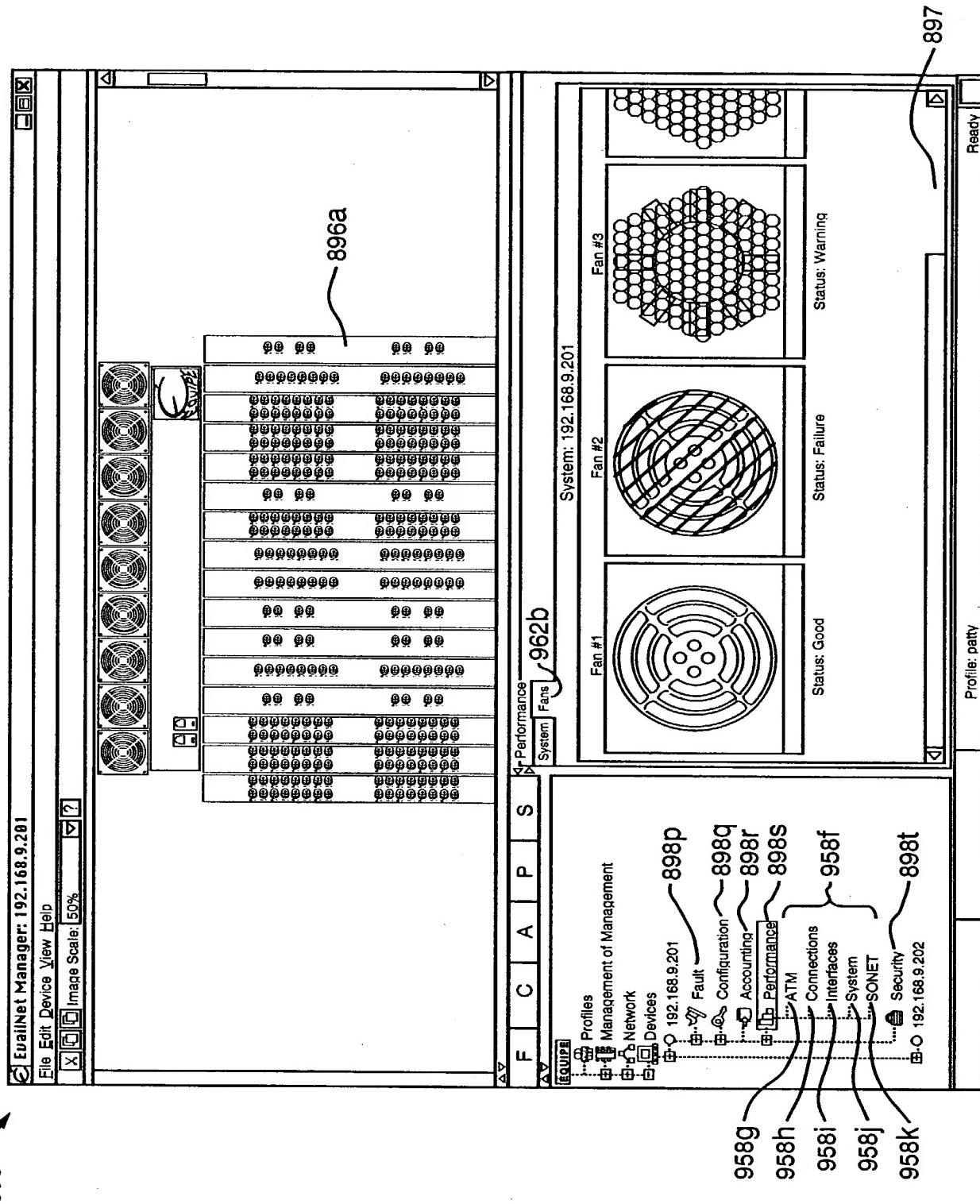


FIG. 7N

102689-85

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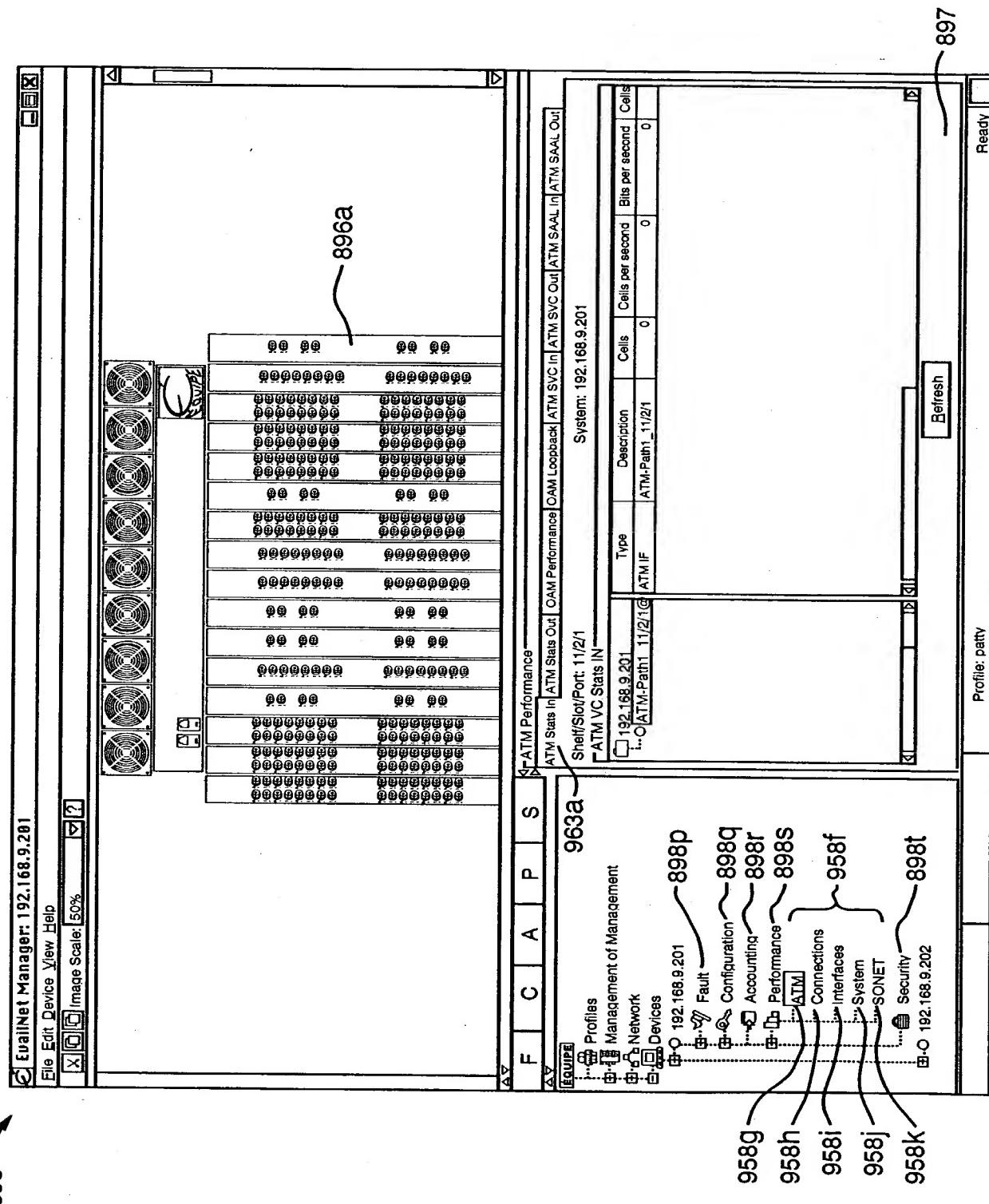


FIG. 70

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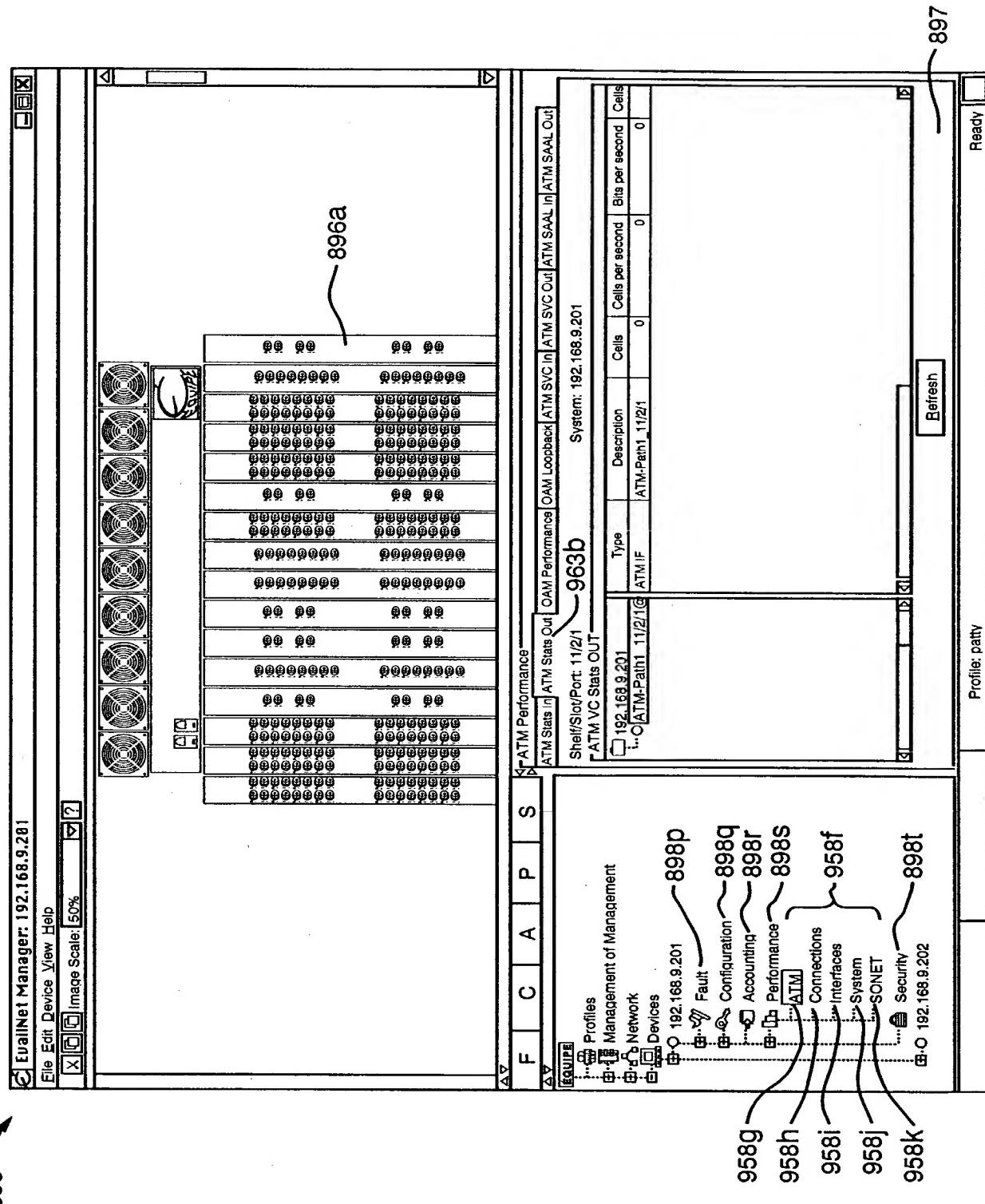


FIG. 7P

102689-85

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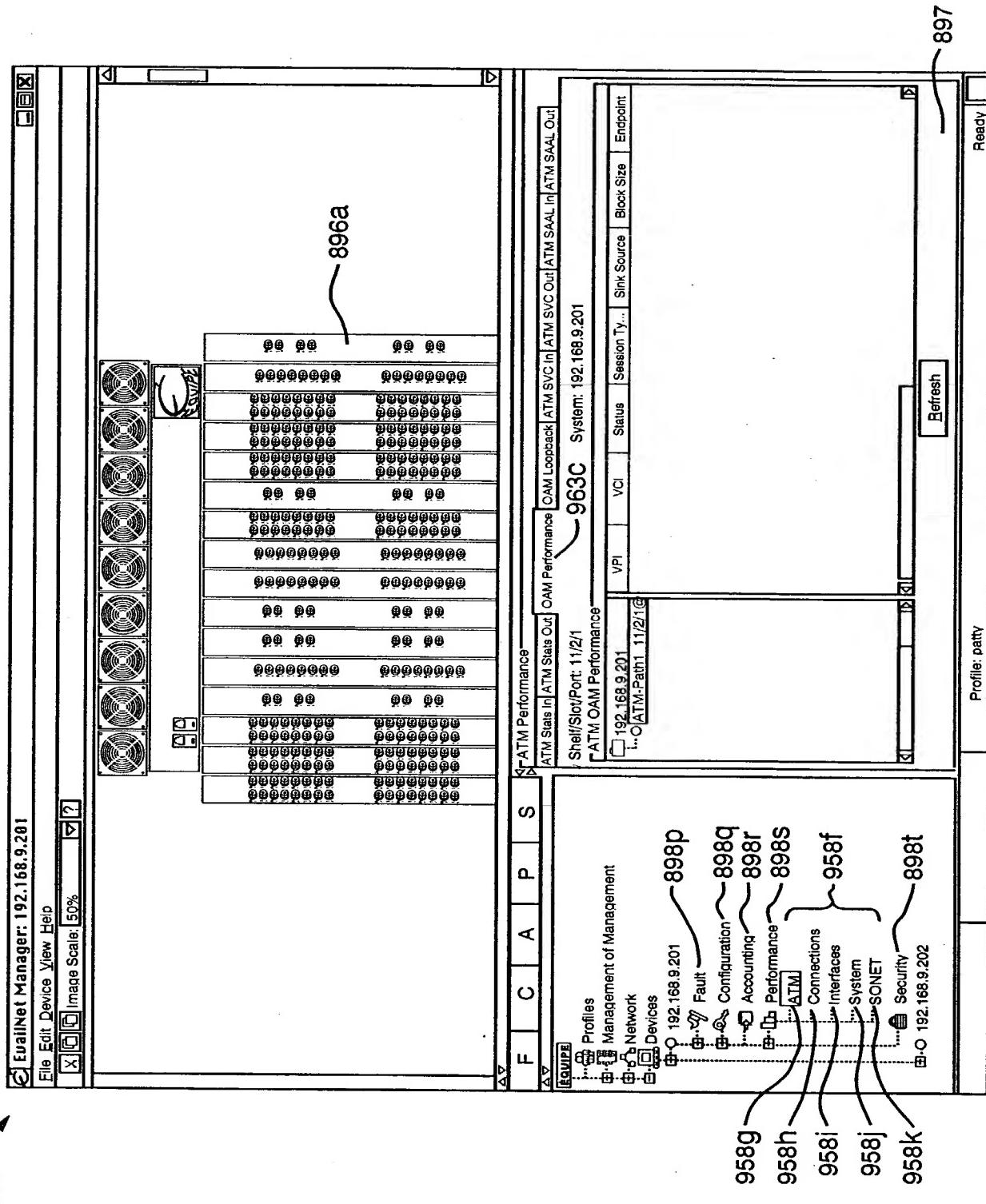


FIG. 7Q

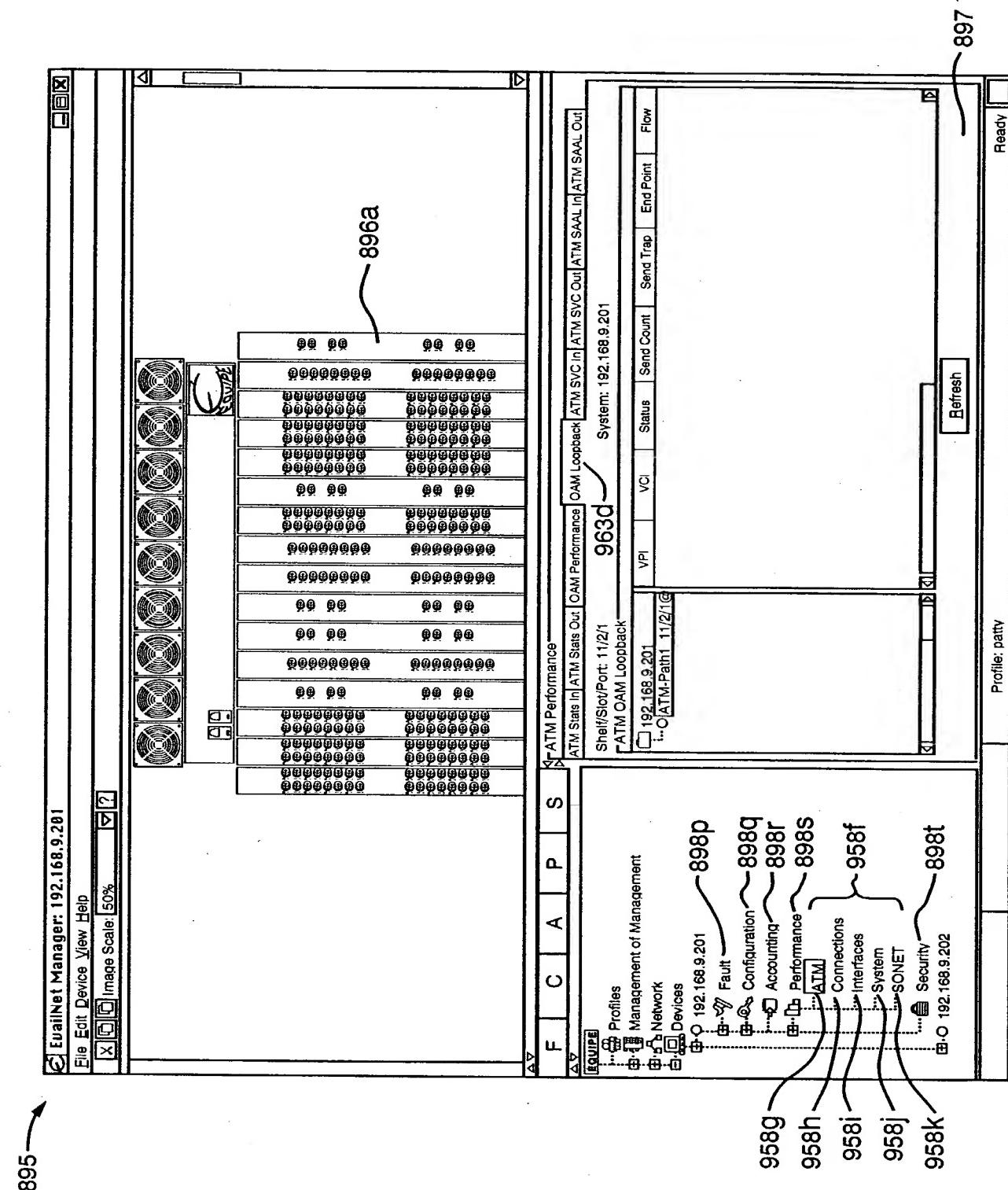
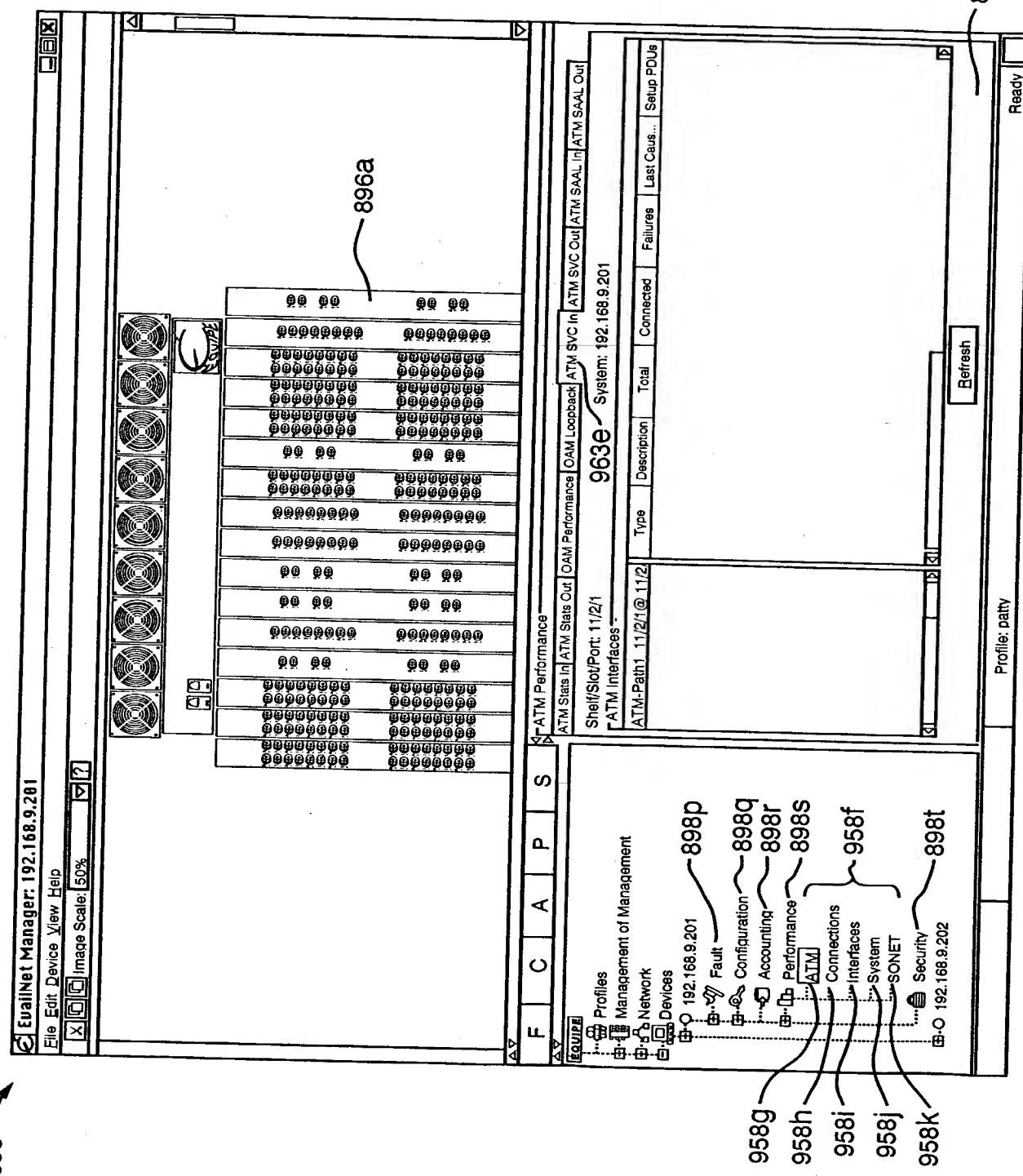


FIG. 7R

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FIG. 7S

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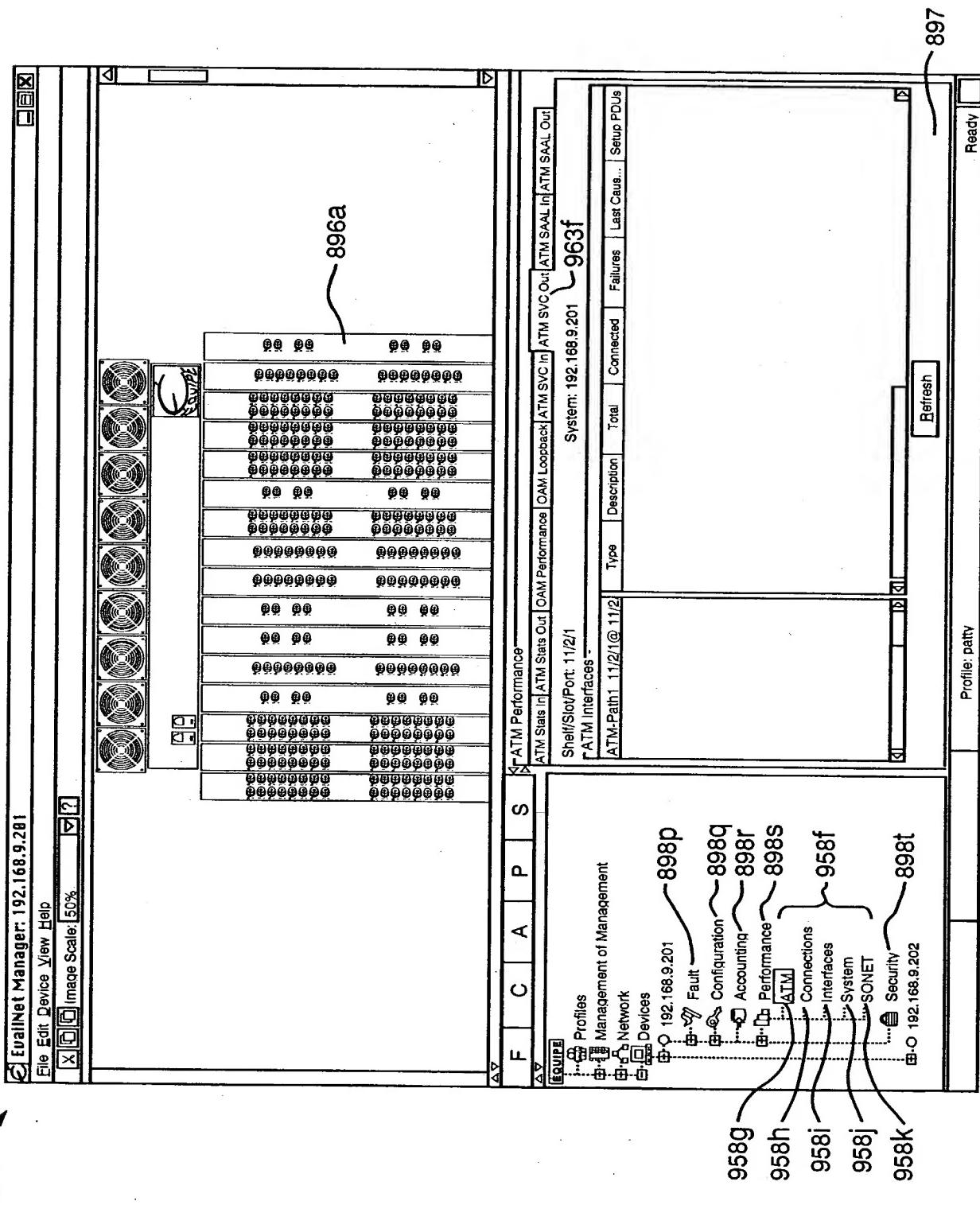


FIG. 7T

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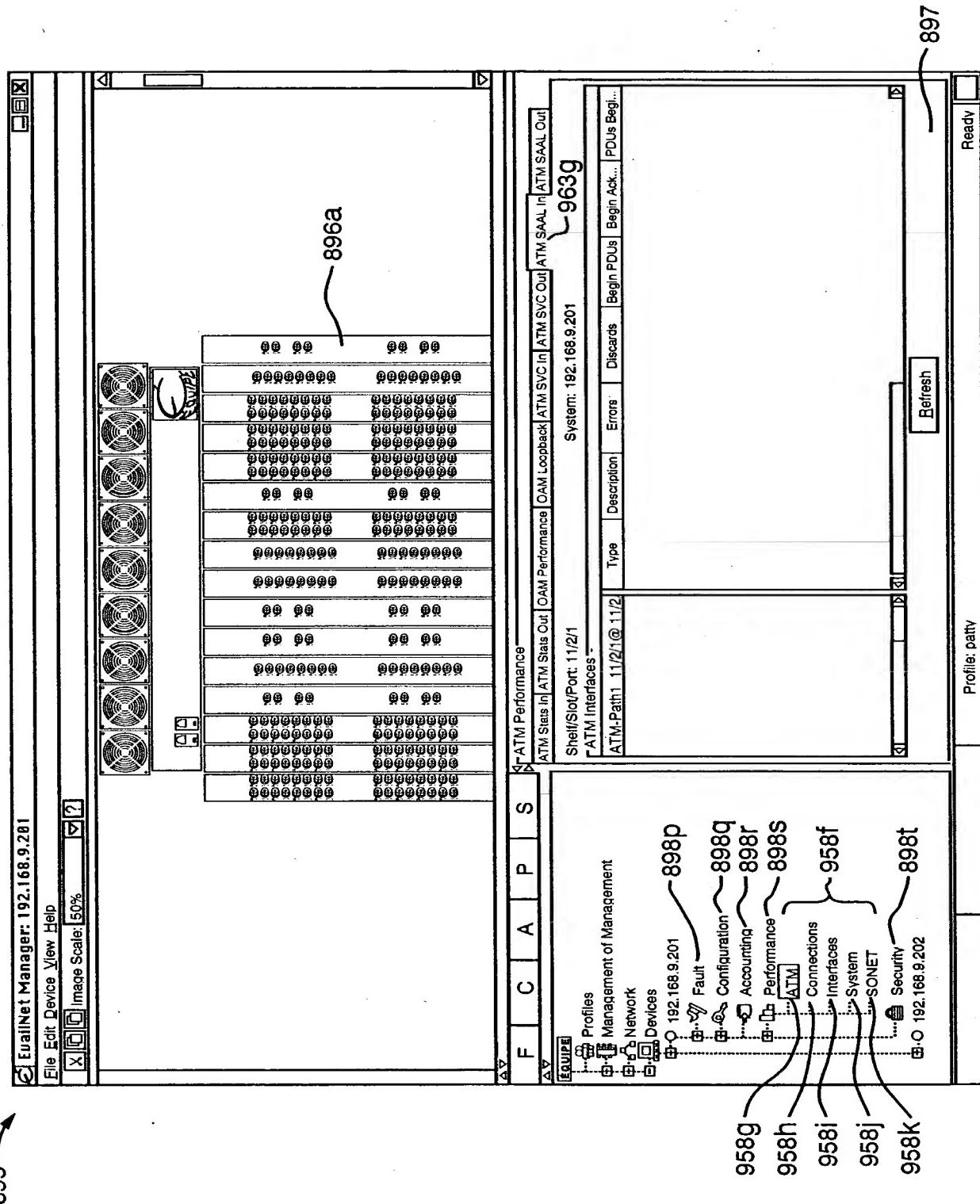


FIG. 7U

102689-85

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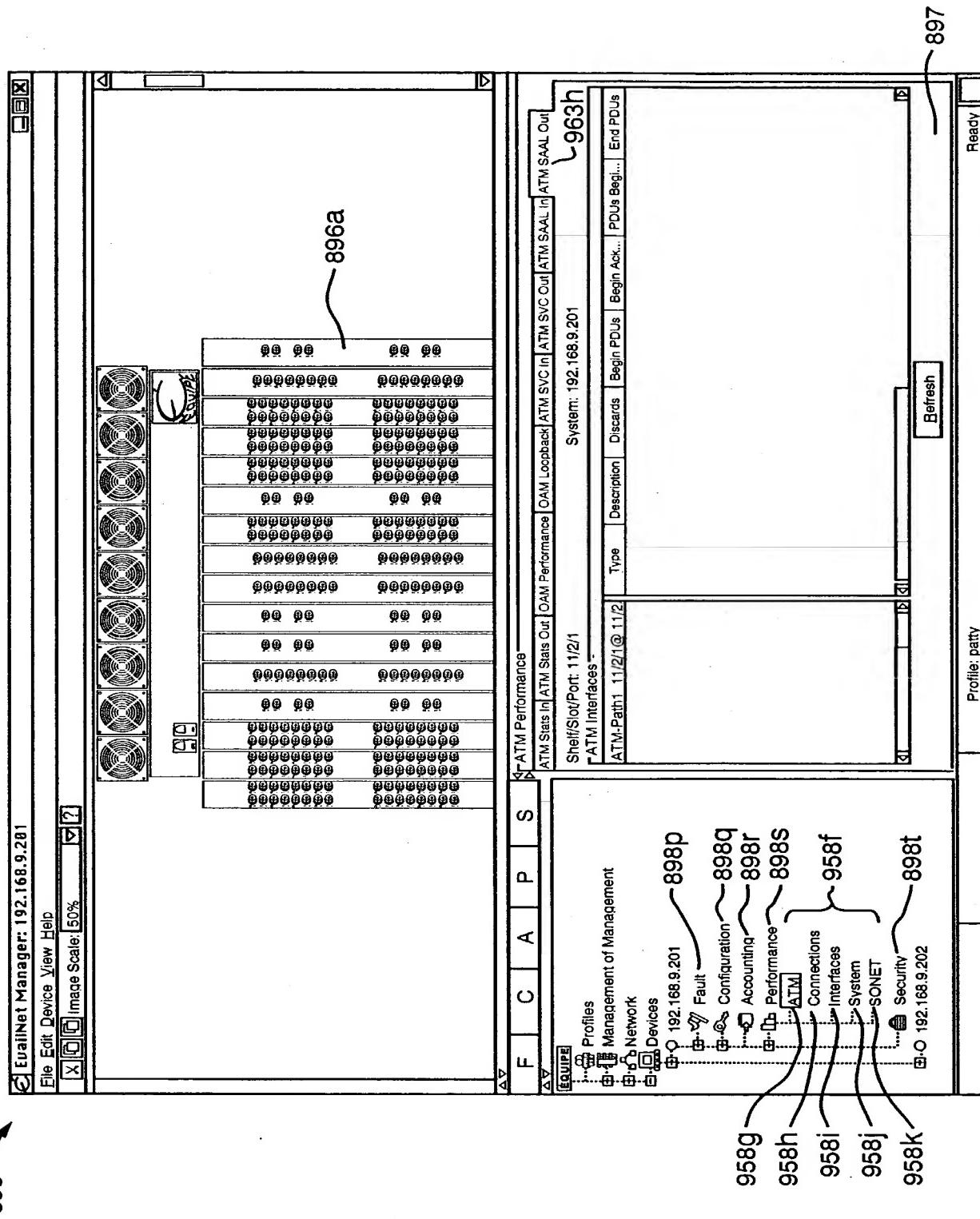


FIG. 7V

102689-85

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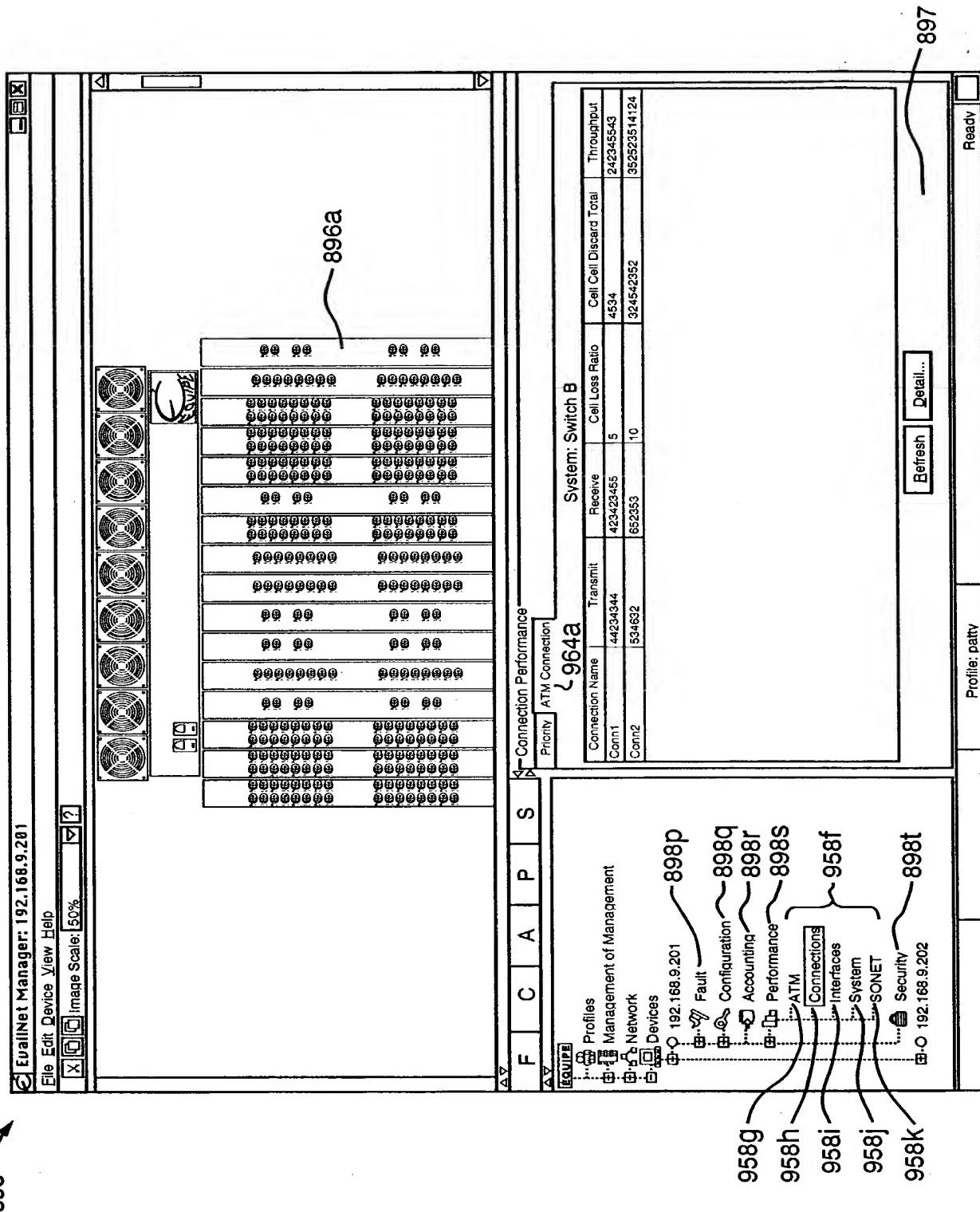


FIG. 7W

102689-85

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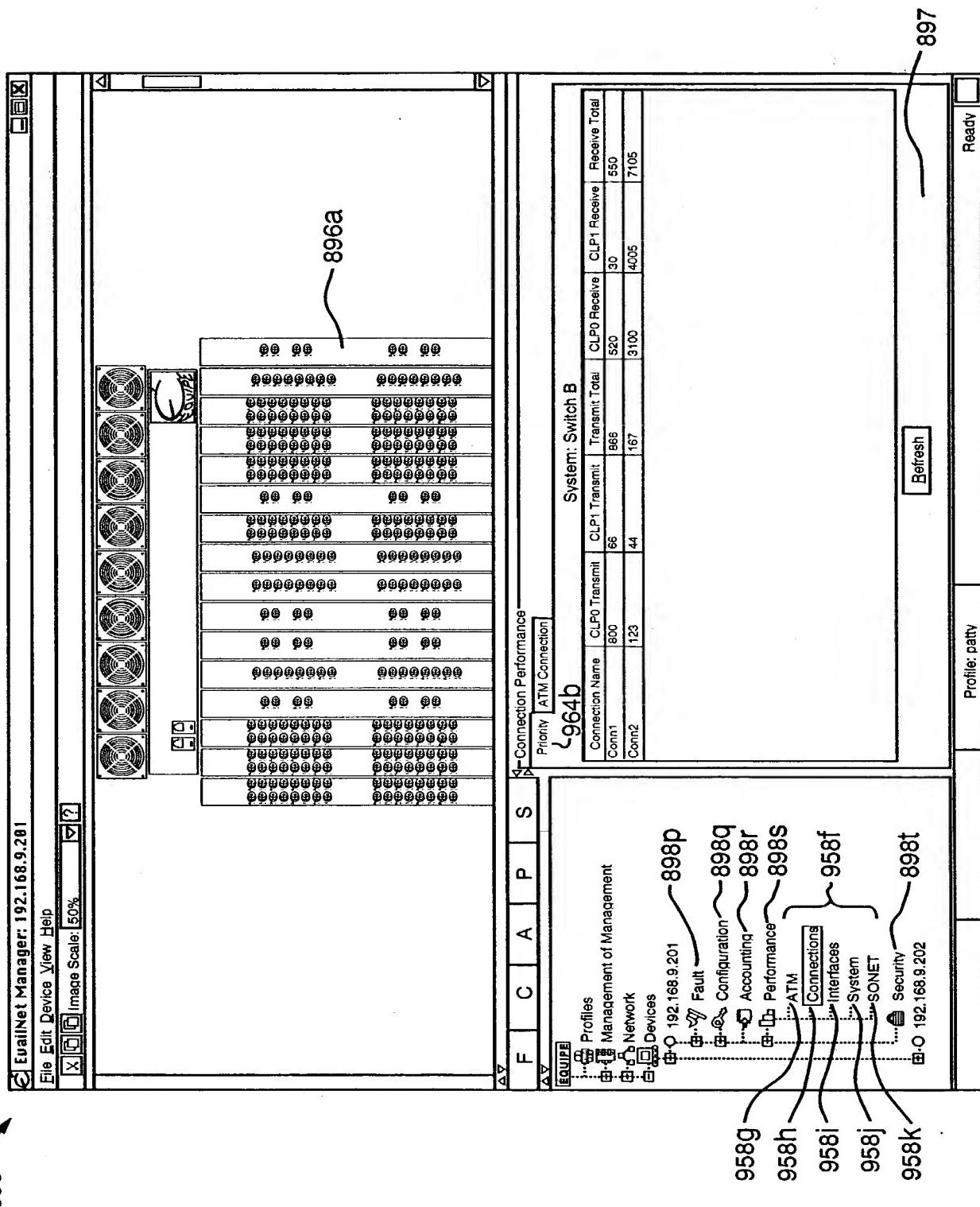


FIG. 7X

102689-85

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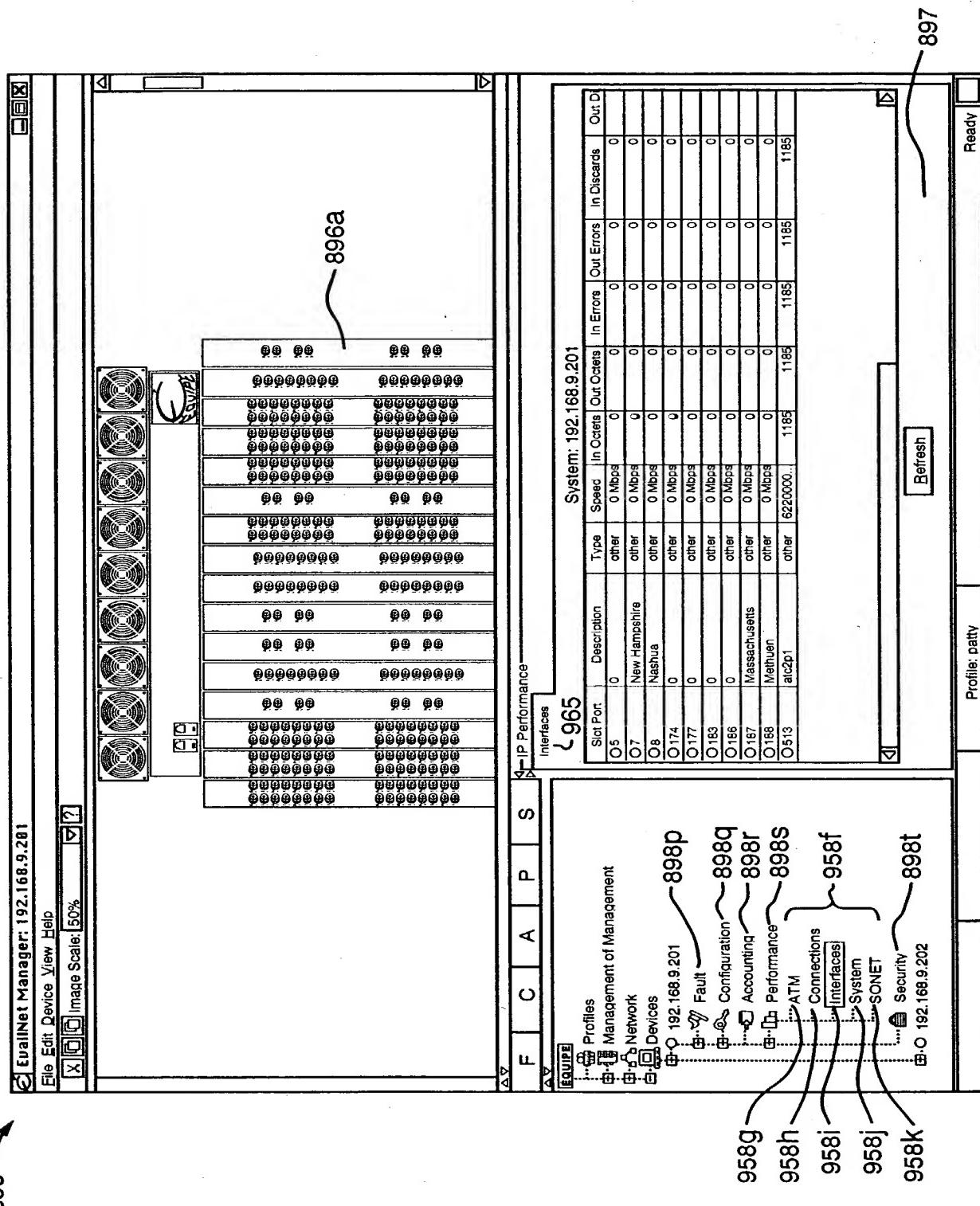


FIG. 7Y

102689-85

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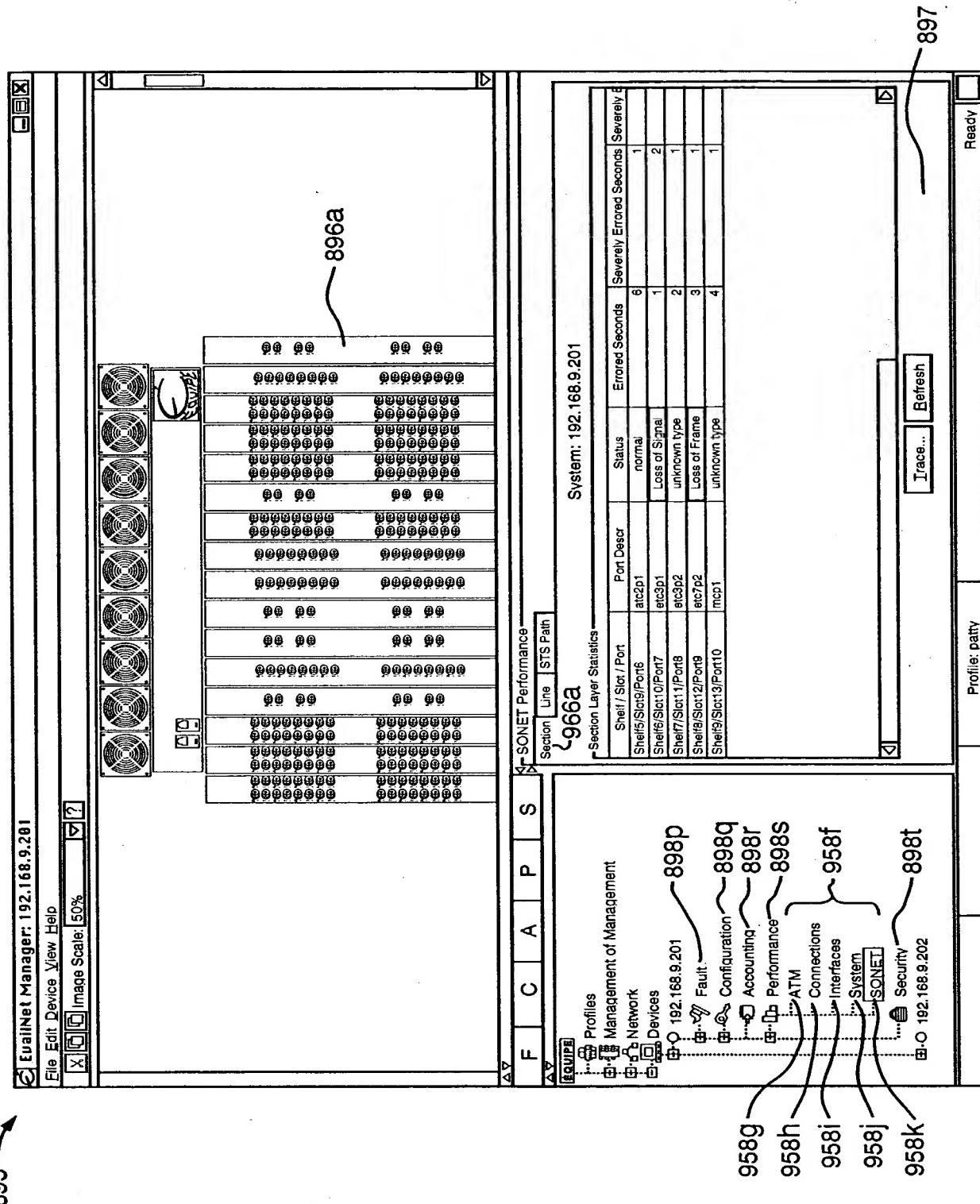
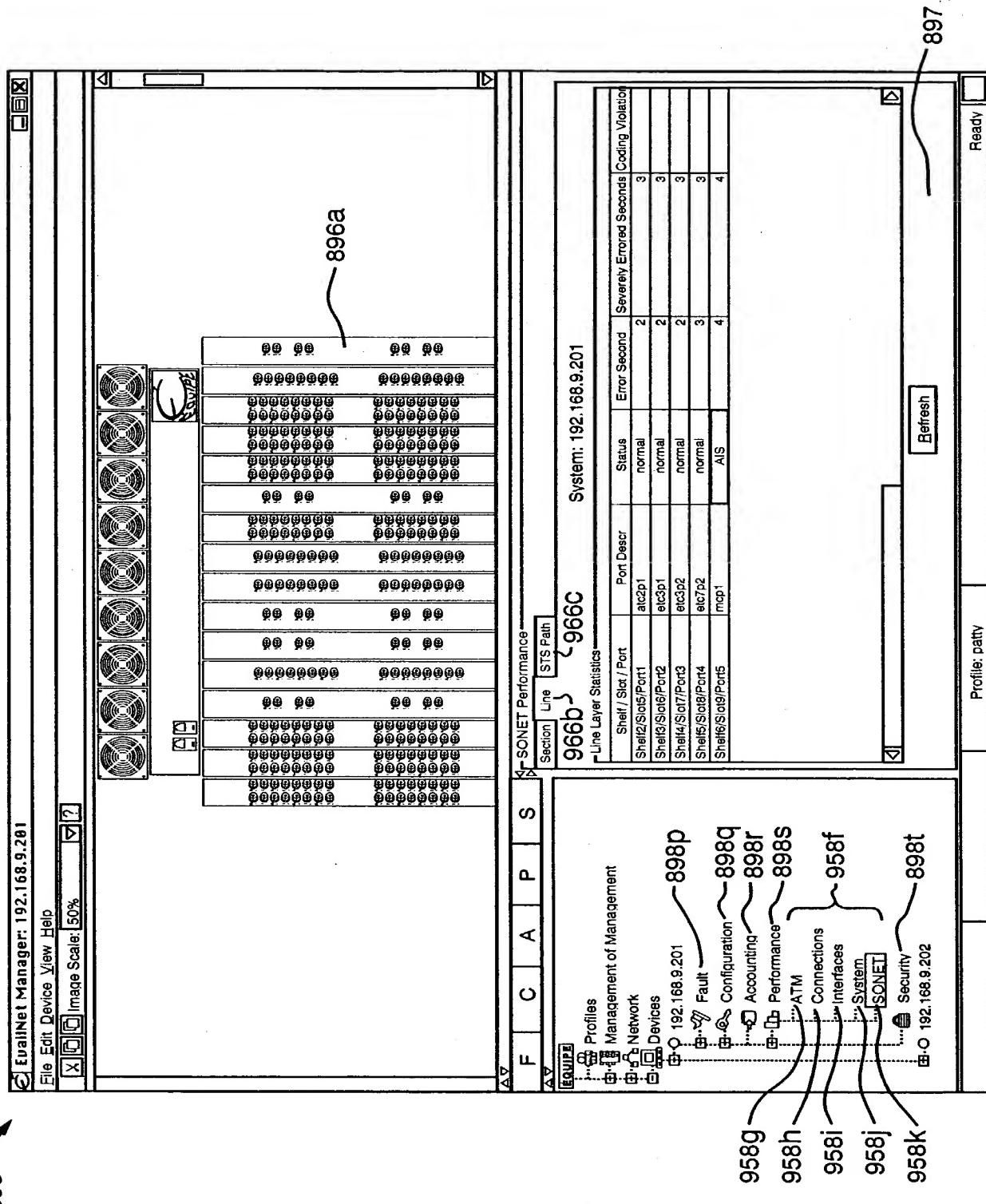


FIG. 8A

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FIG. 8B

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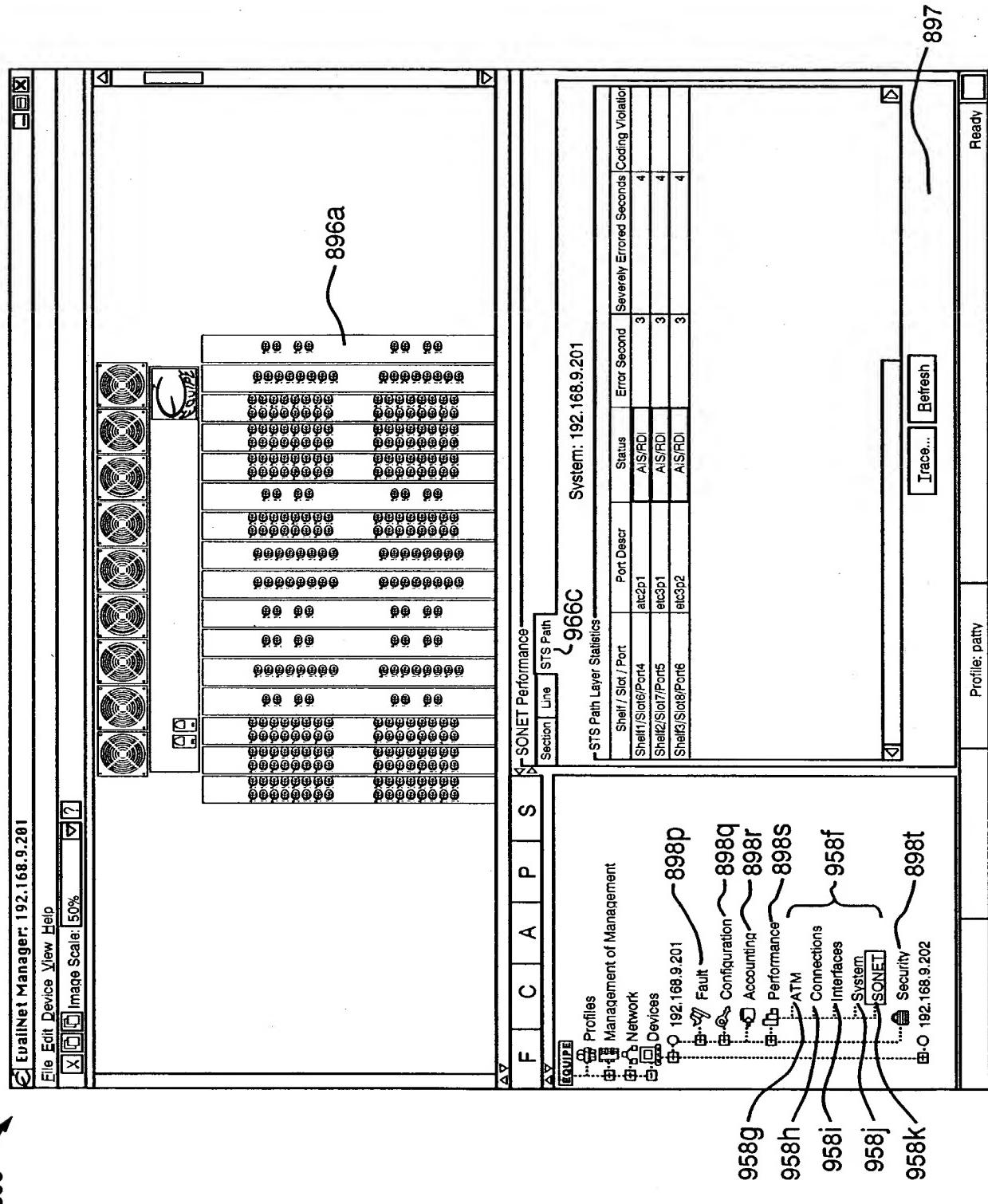


FIG. 8C

102689-85

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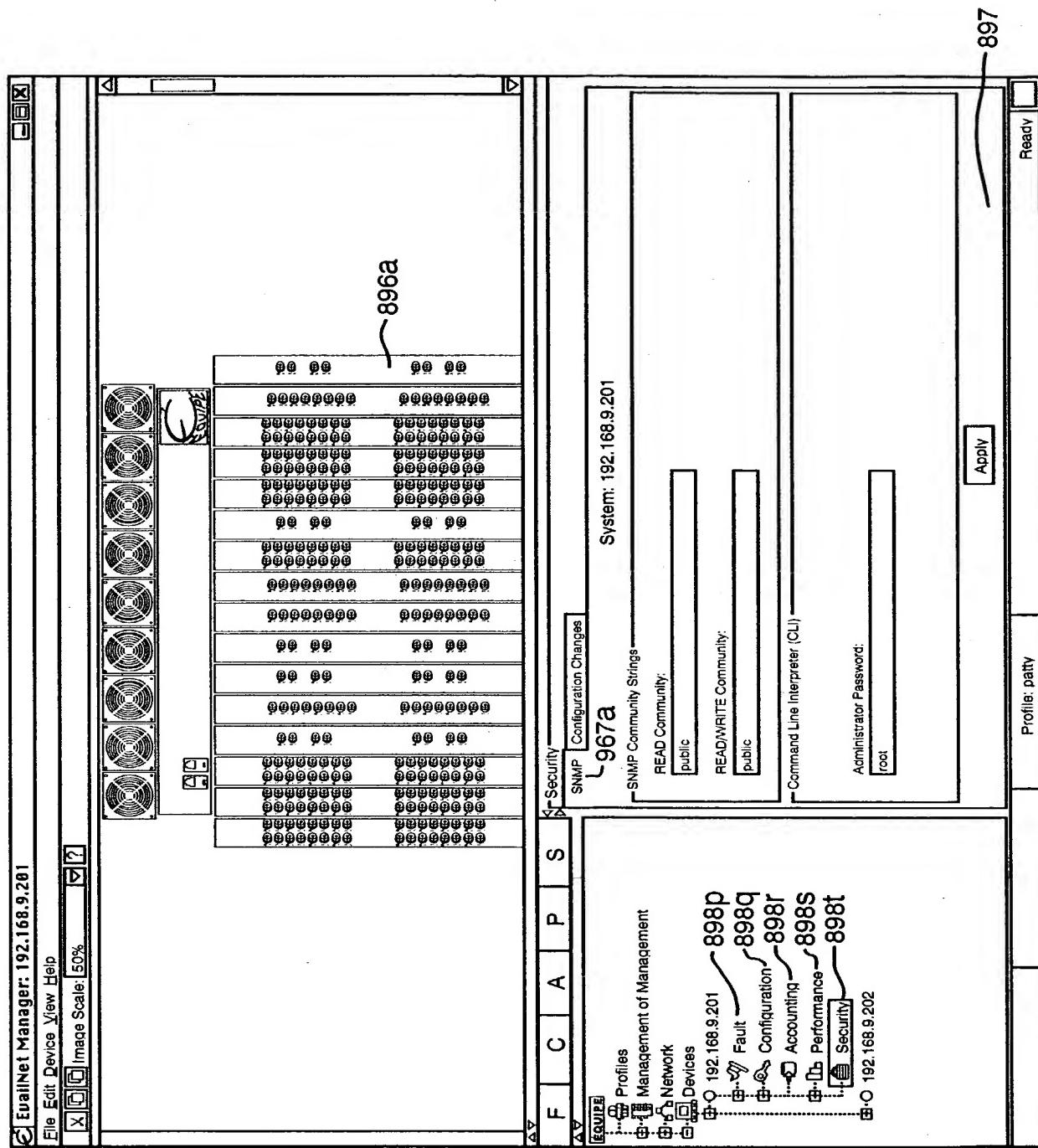
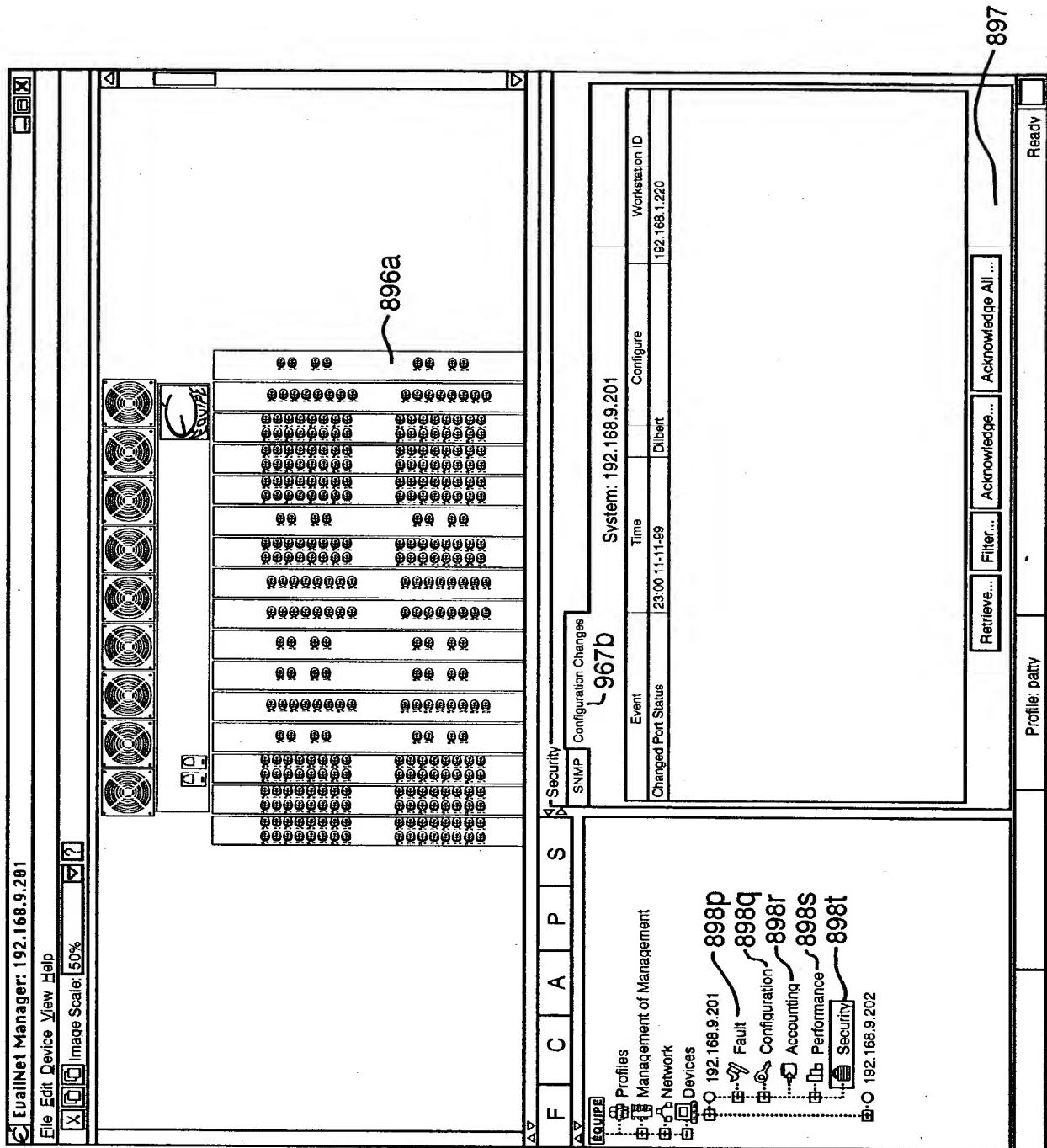


FIG. 8D

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FIG. 8E

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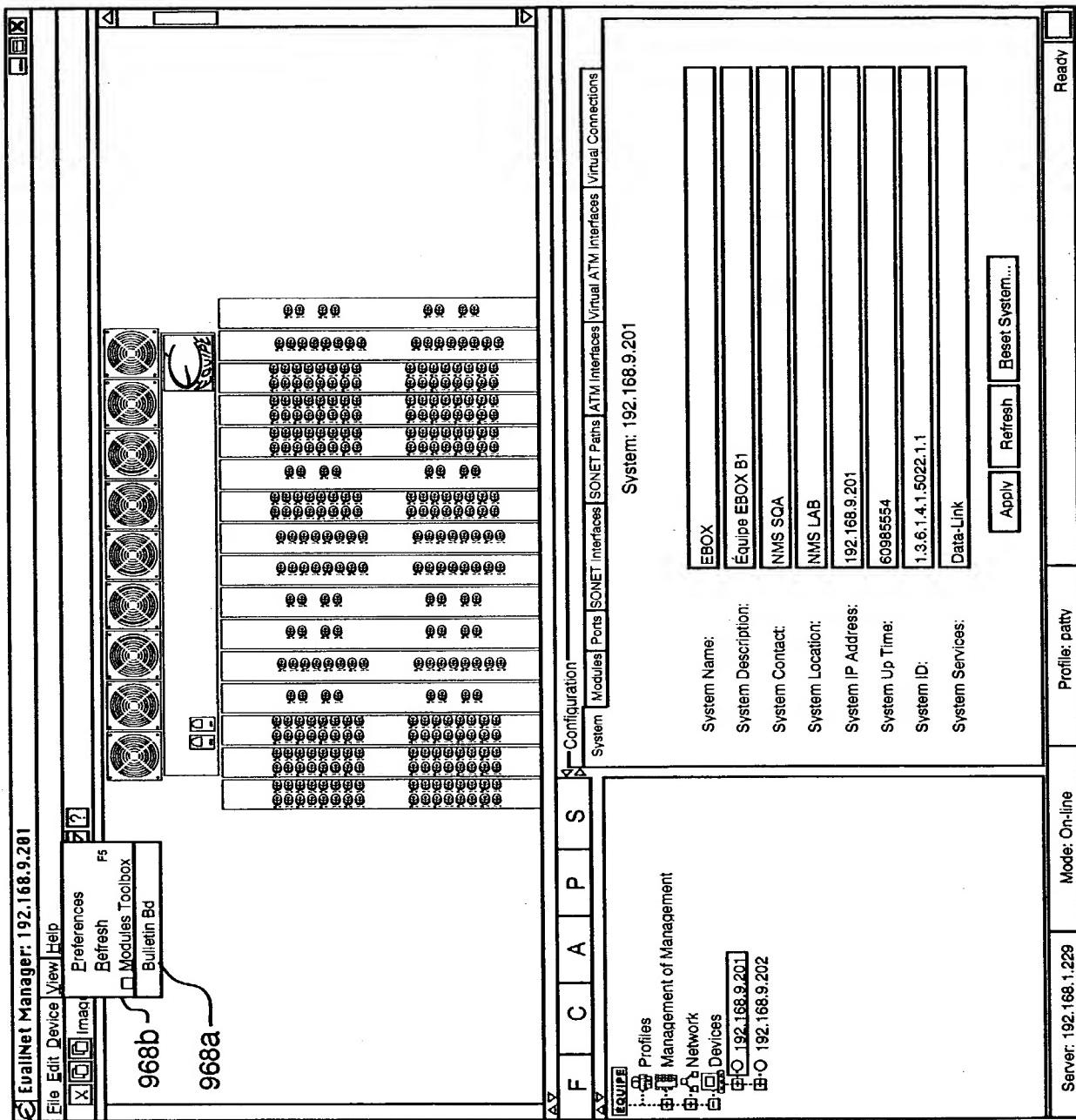


FIG. 9A

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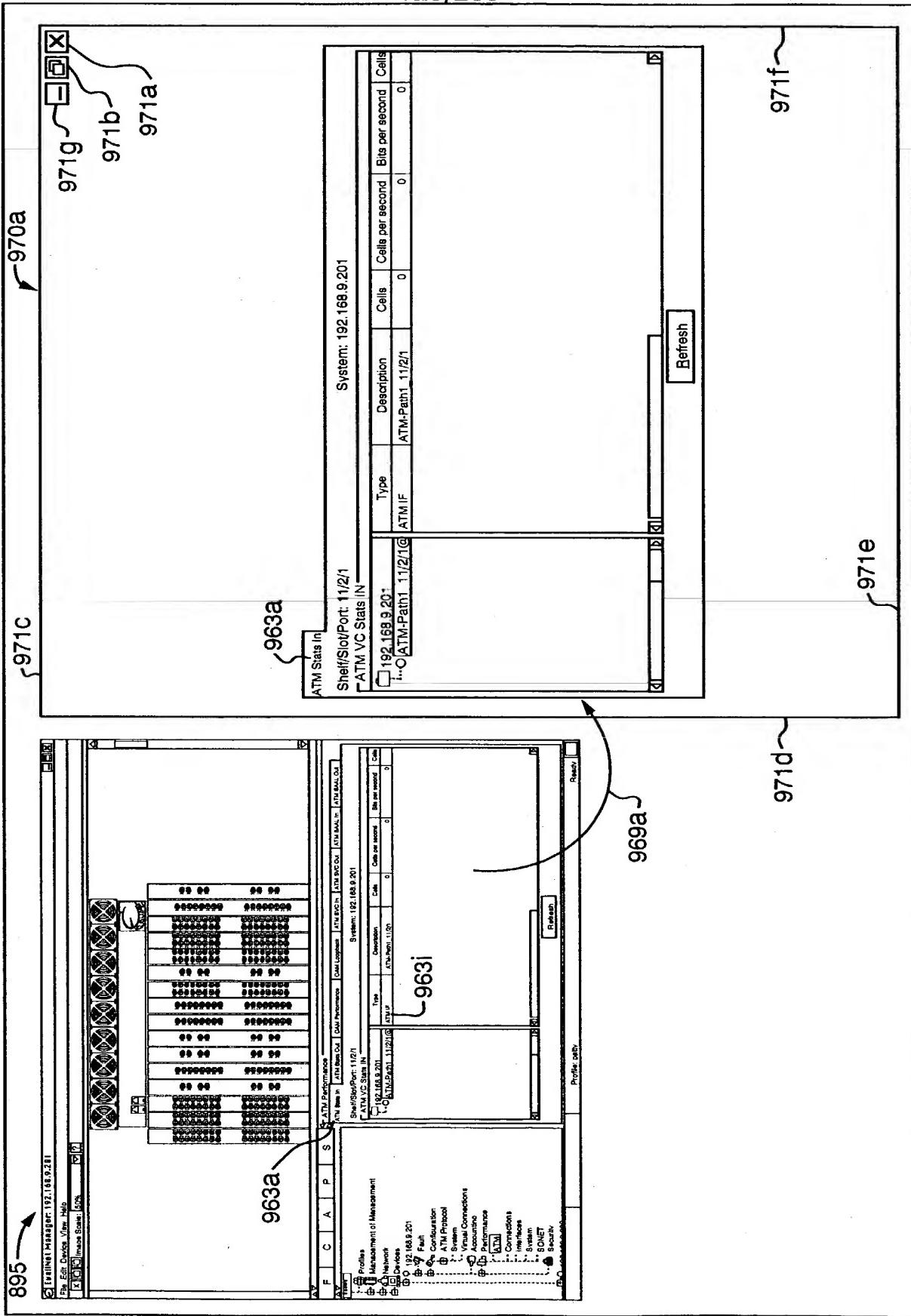


FIG. 9B

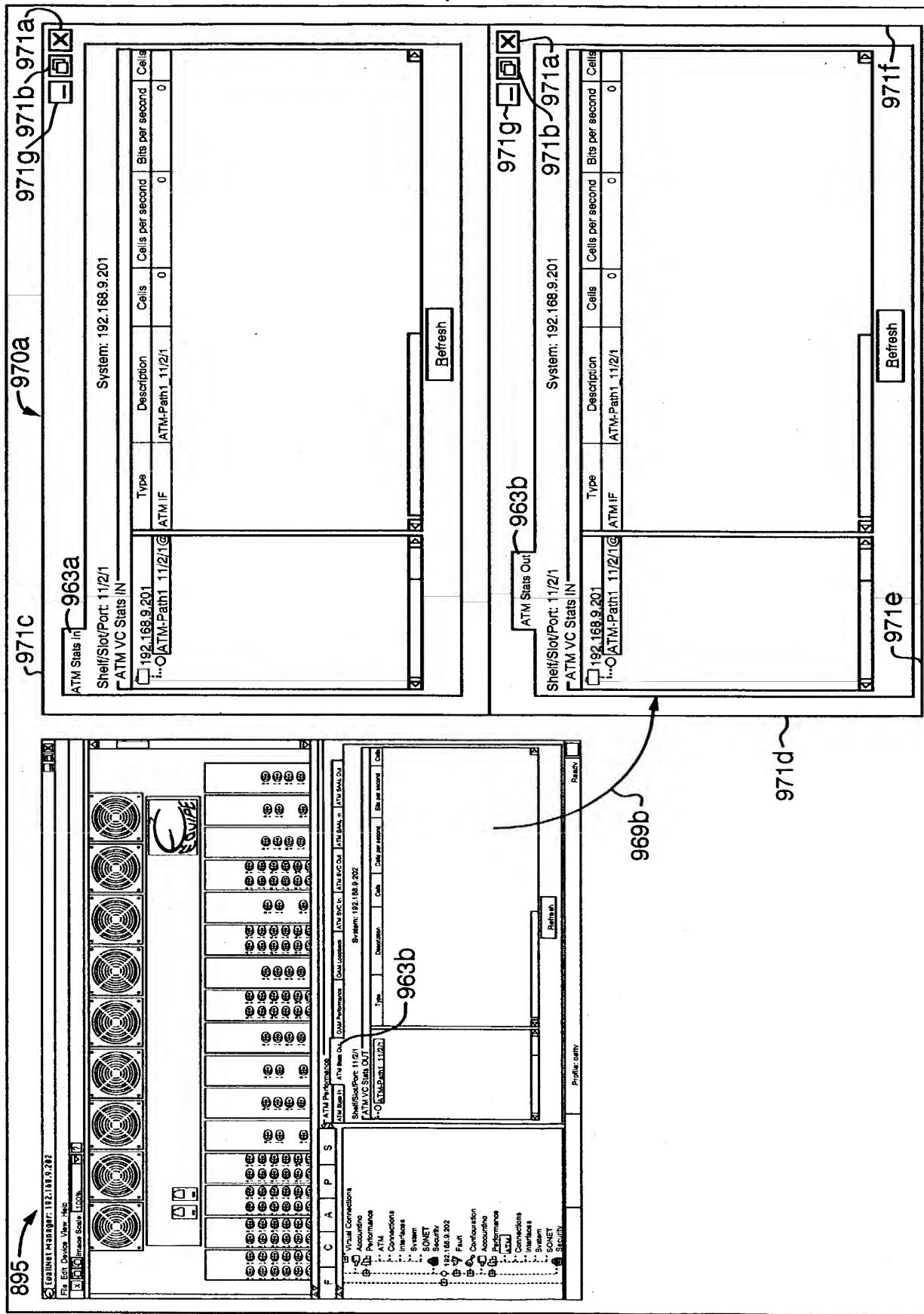
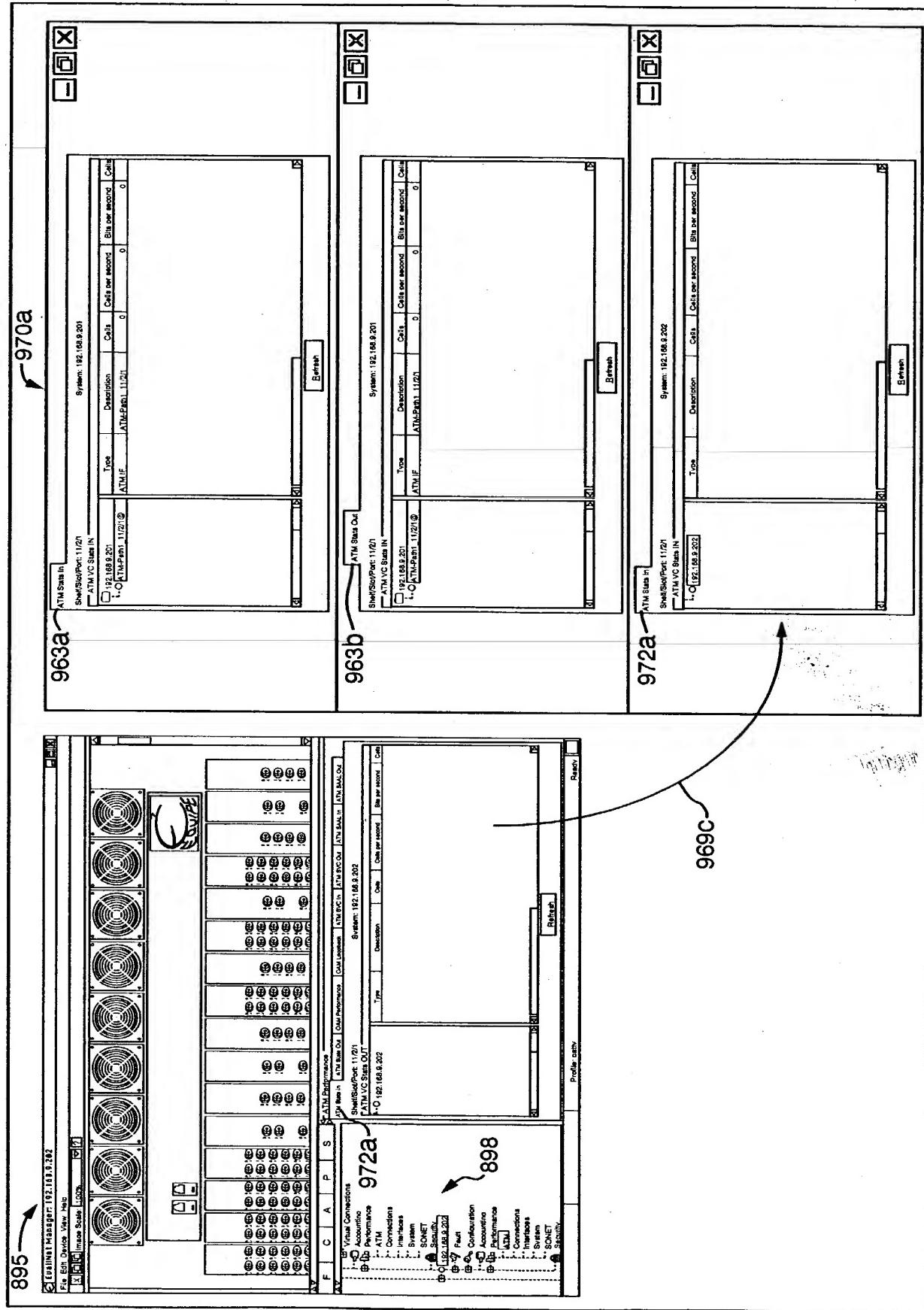


FIG. 9C

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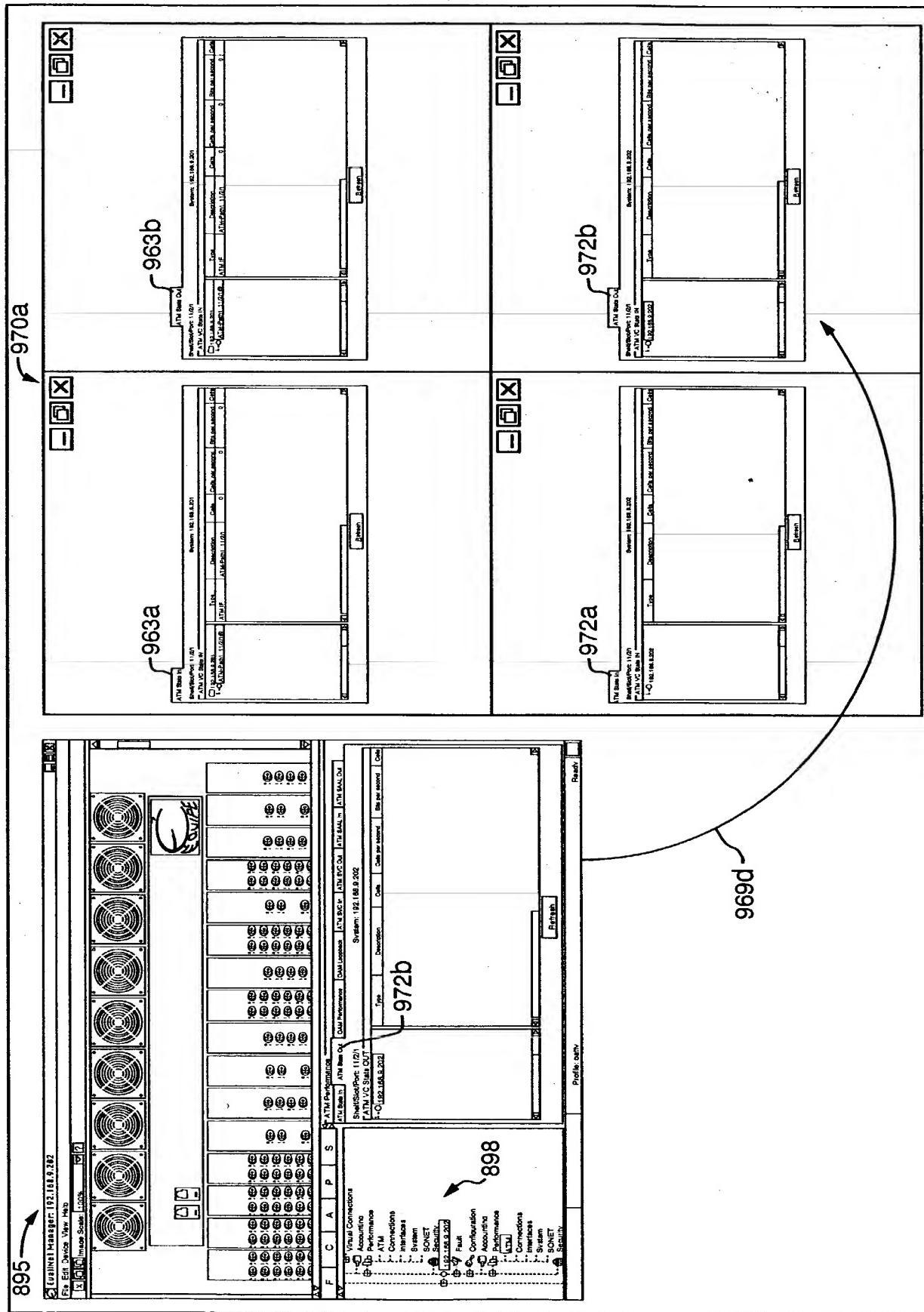


FIG. 9E

102689-85

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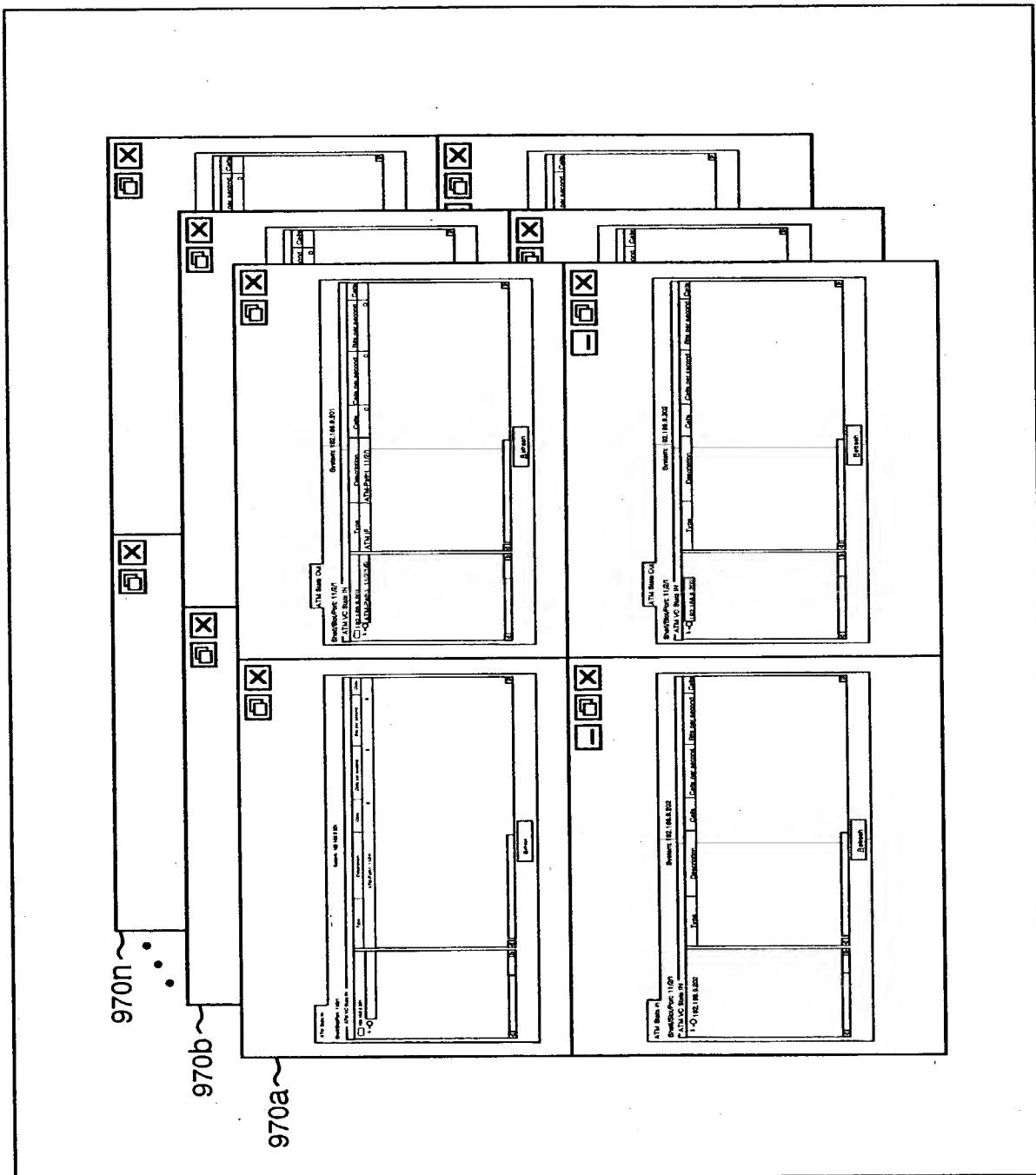


FIG. 9F

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102689-85 102689-85 102689-85 102689-85

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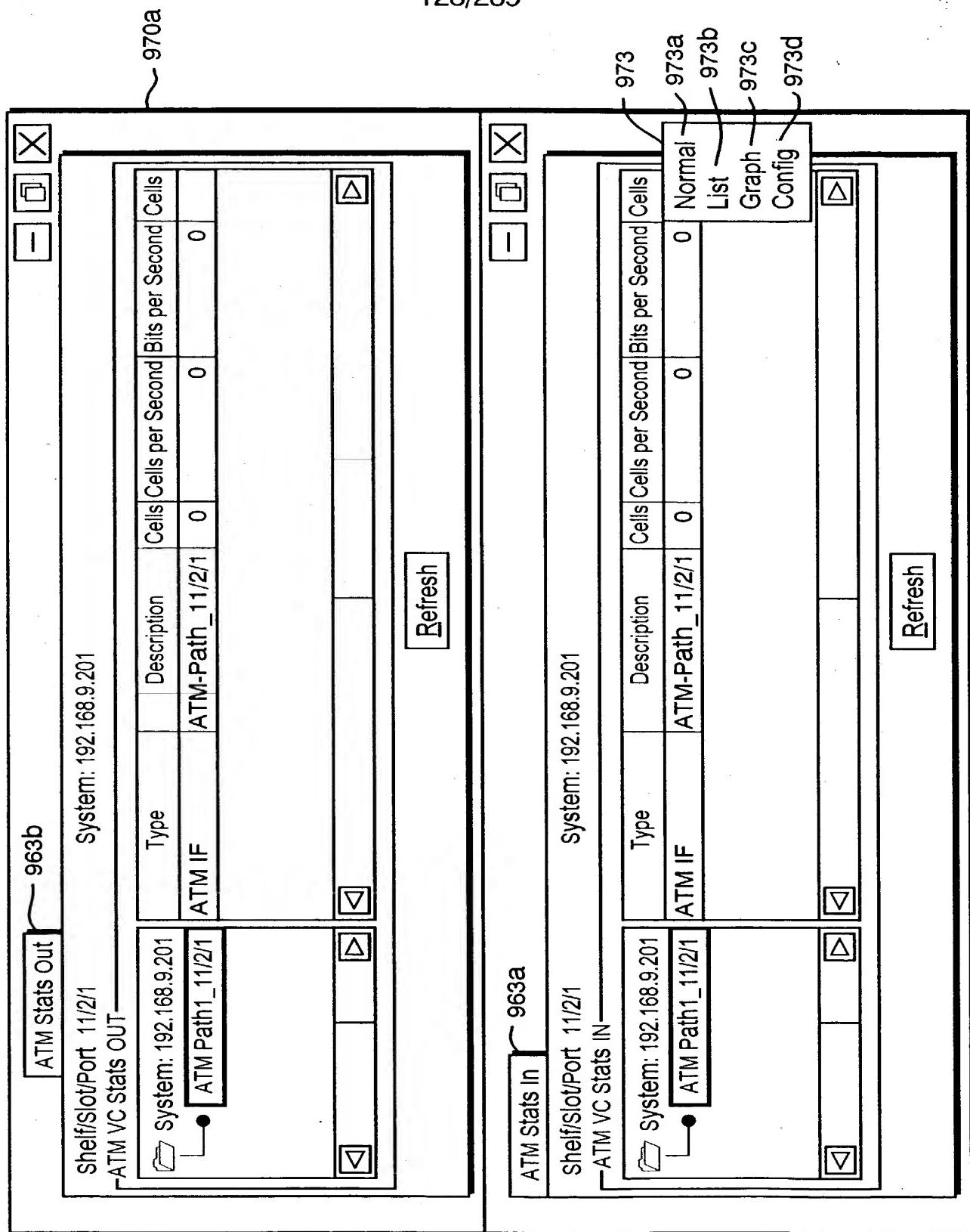


FIG. 9G

102689-85

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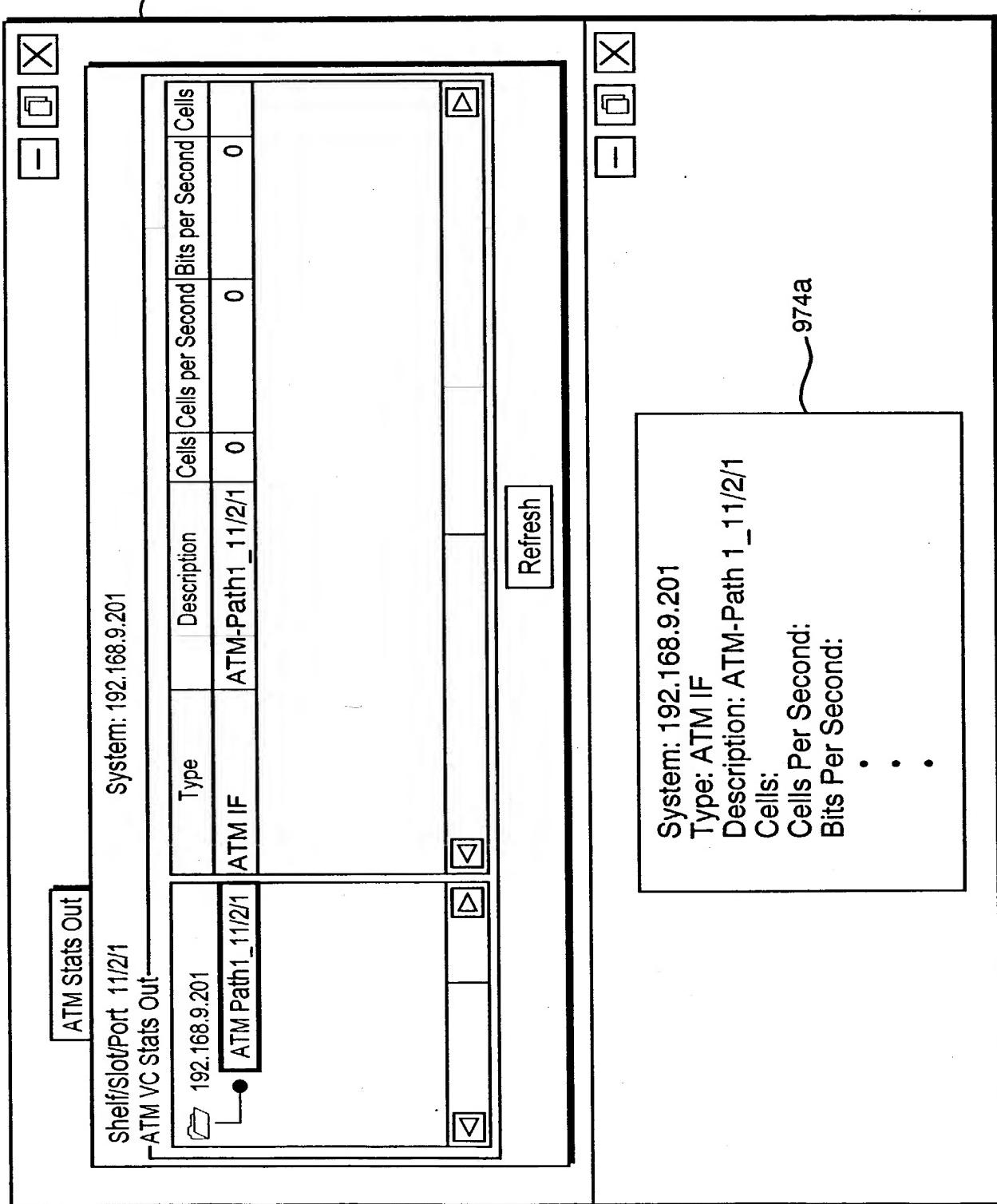


FIG. 9H

102689-85

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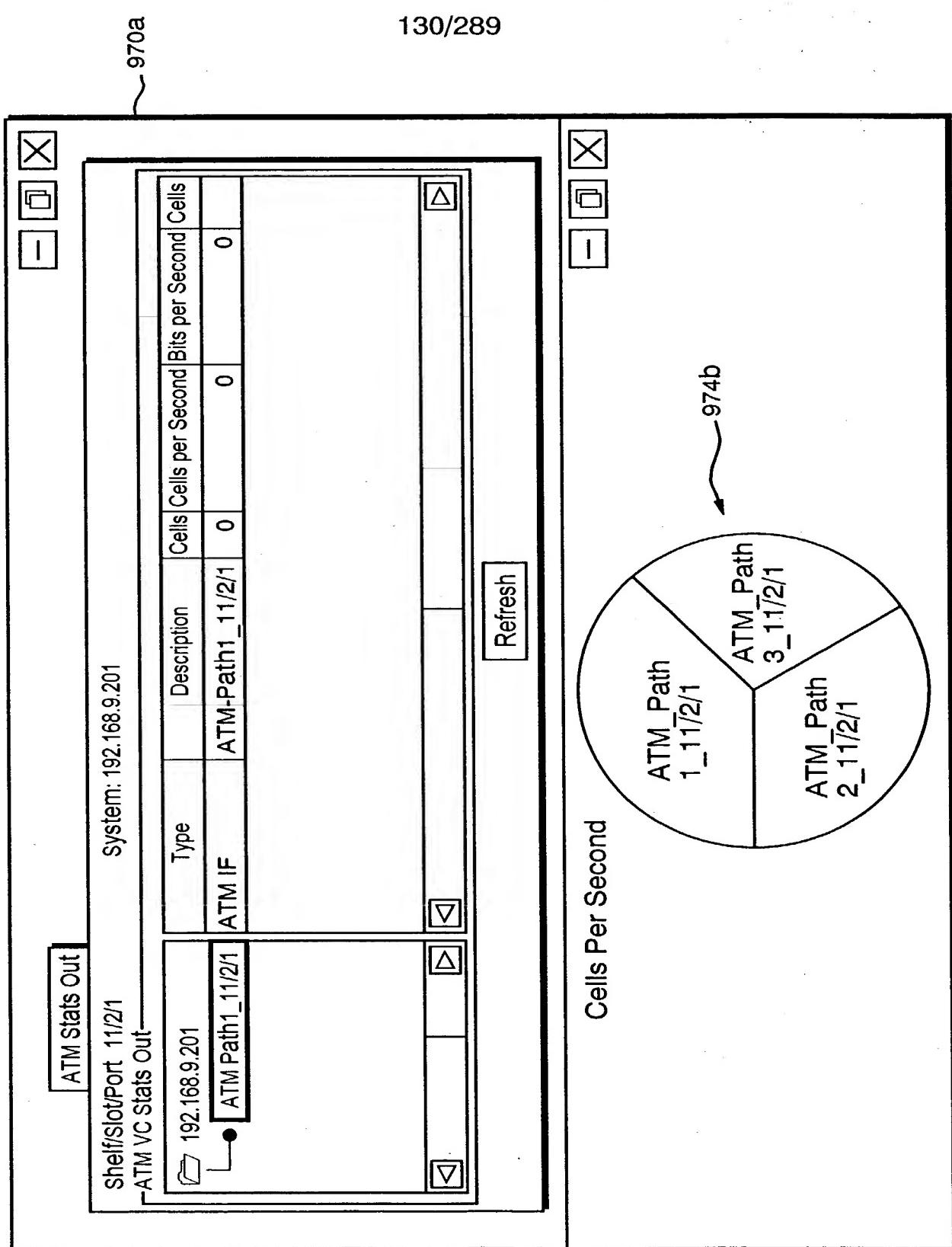


FIG. 9

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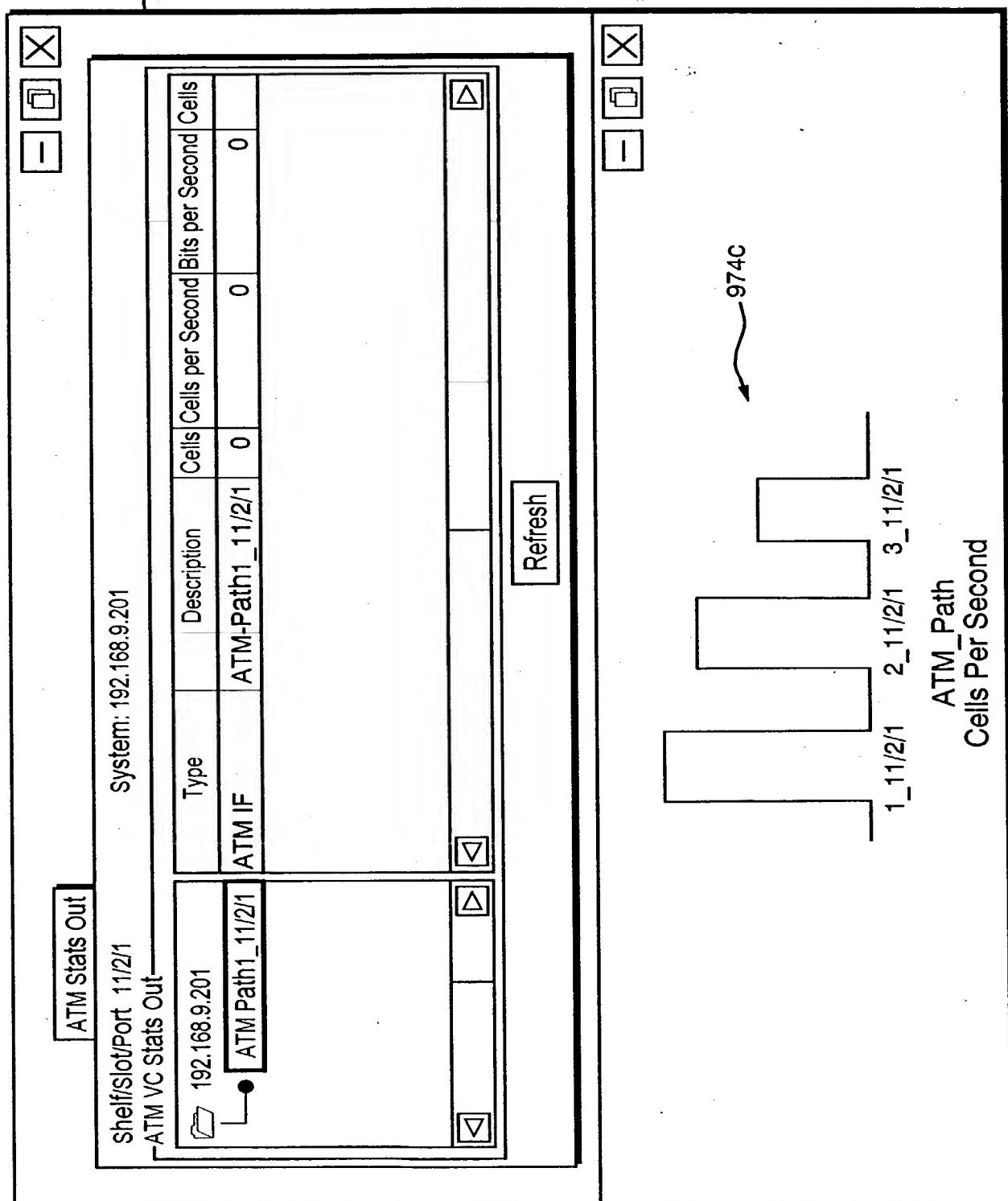


FIG. 9J

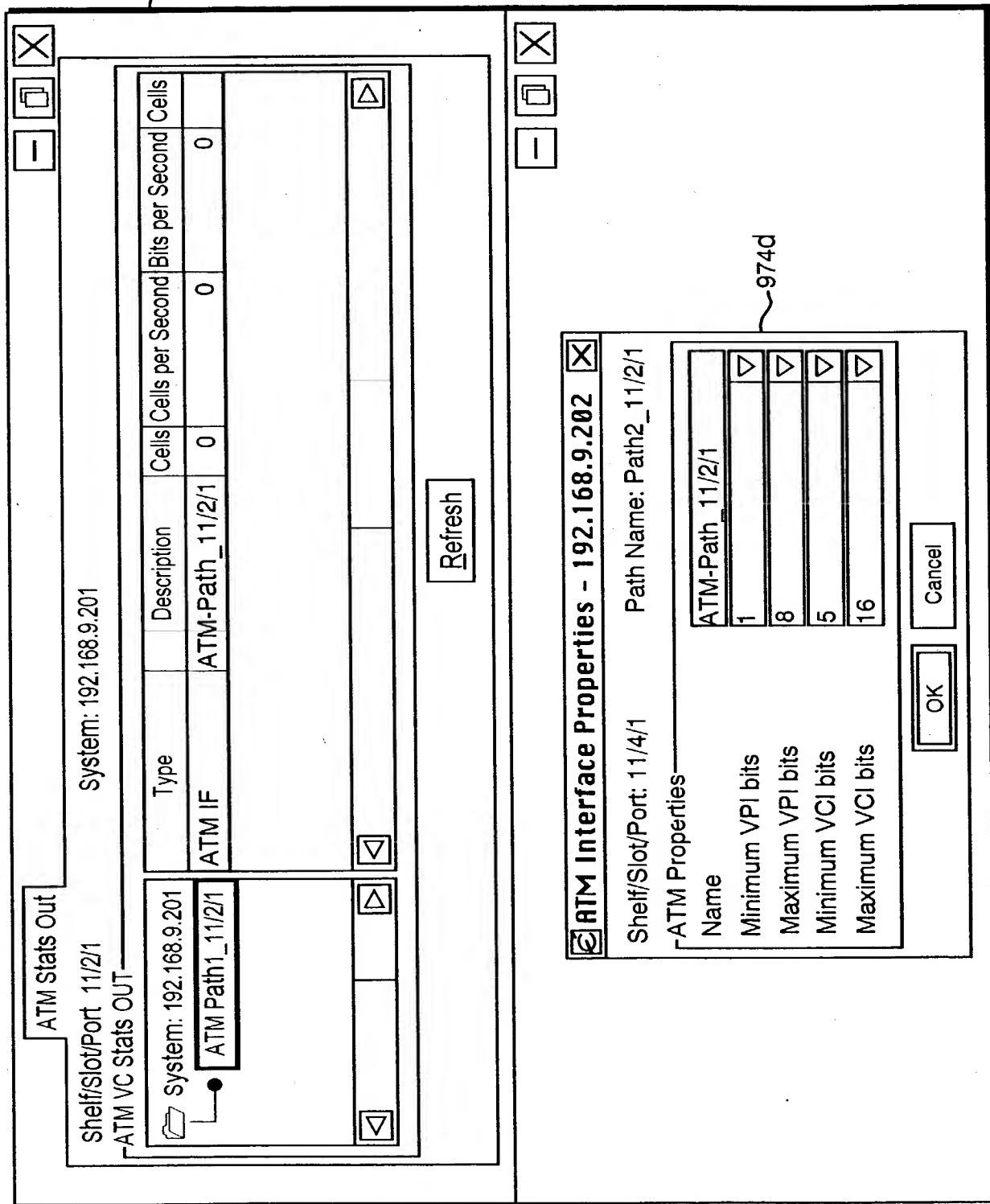


FIG. 9K

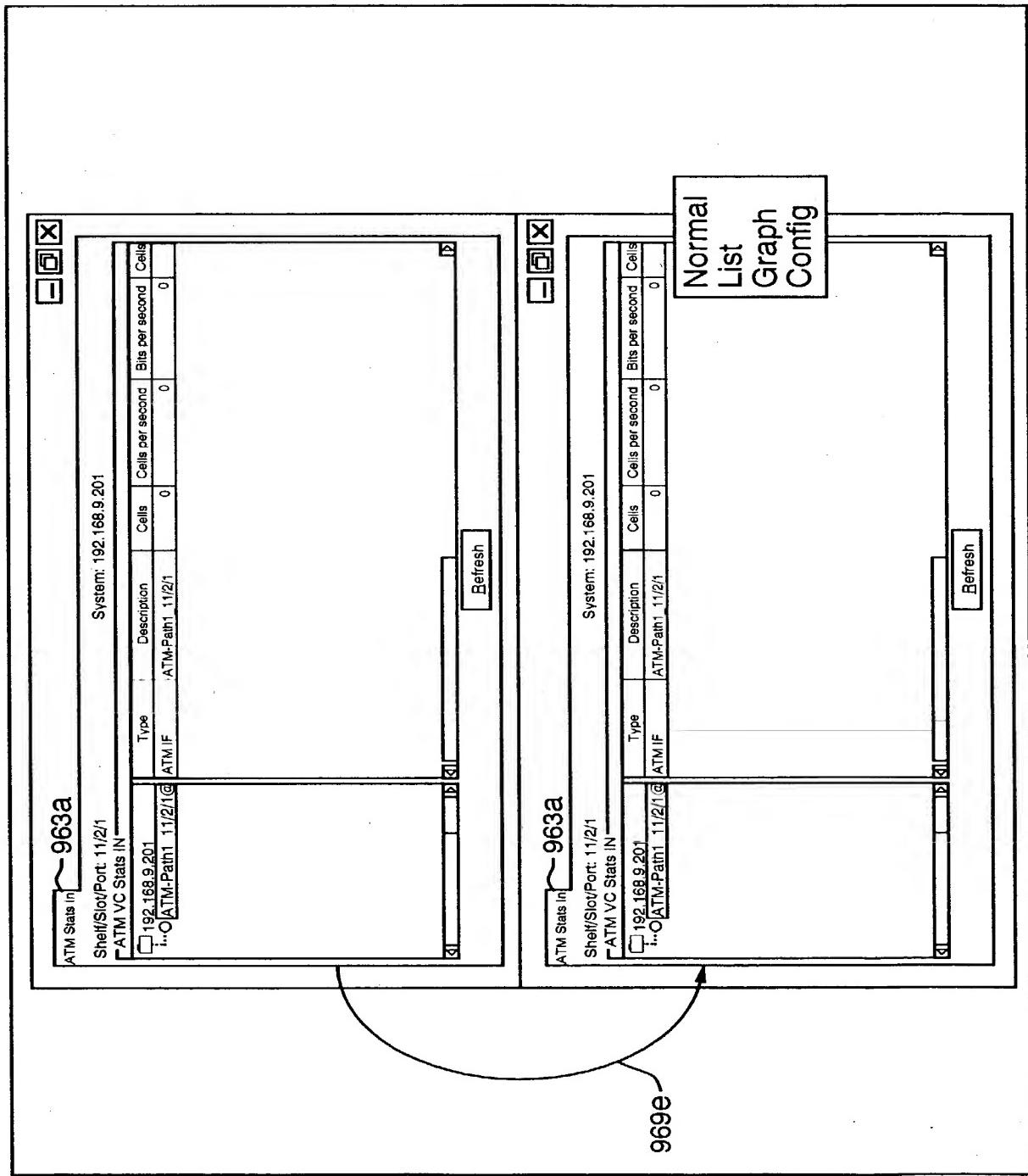


FIG. 9L

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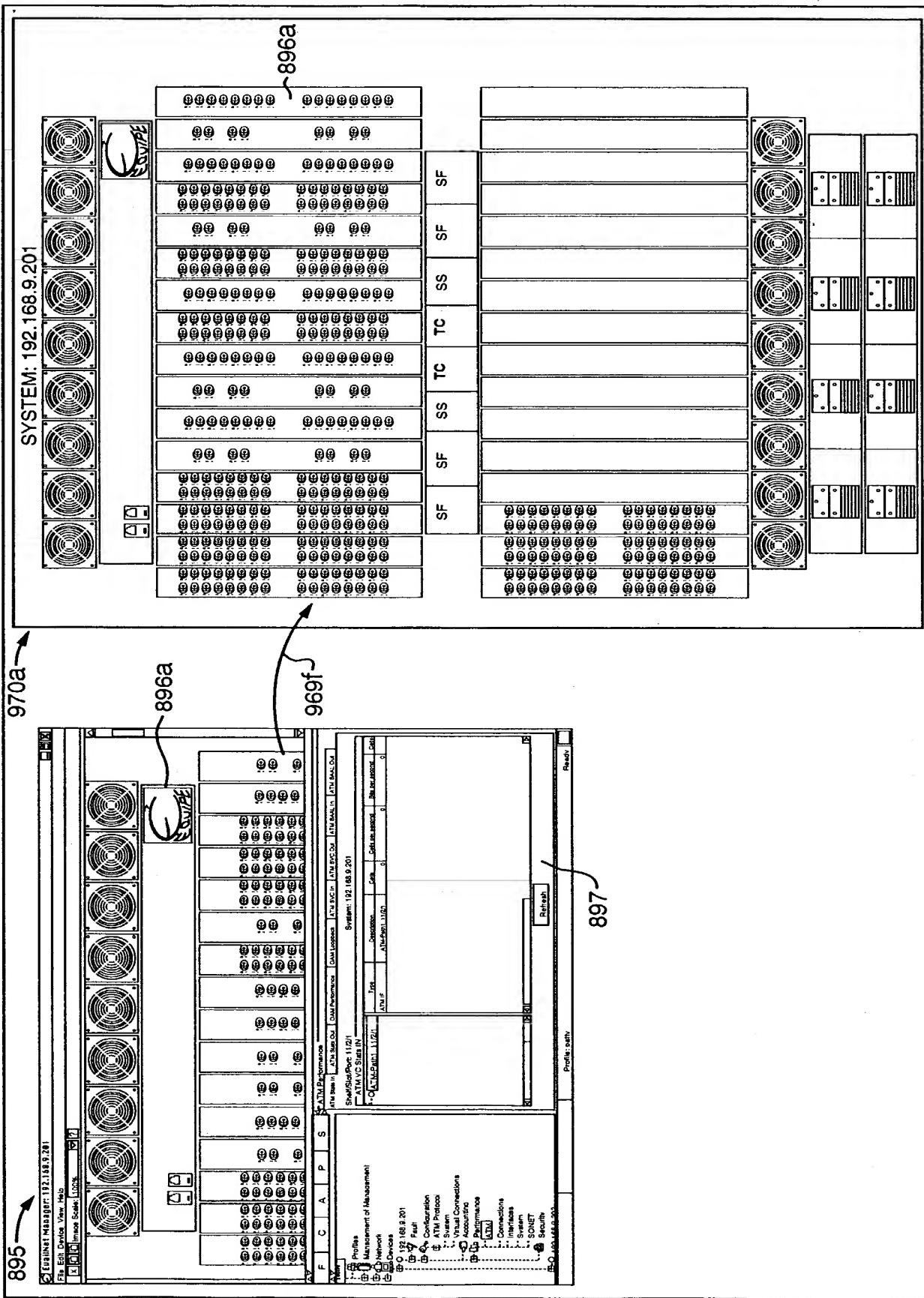


FIG. 9M

102689-85

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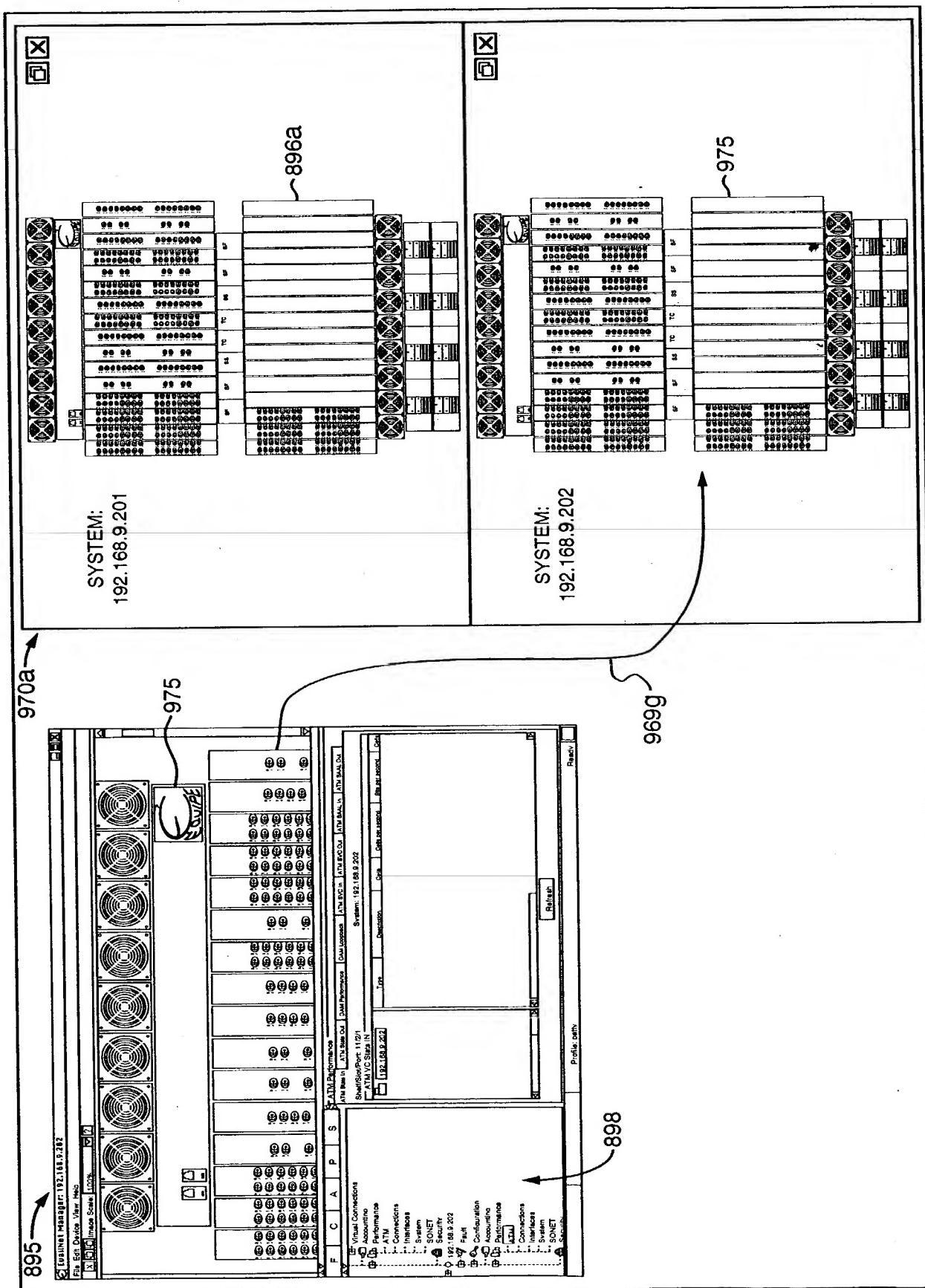


FIG. 9N

102689-85

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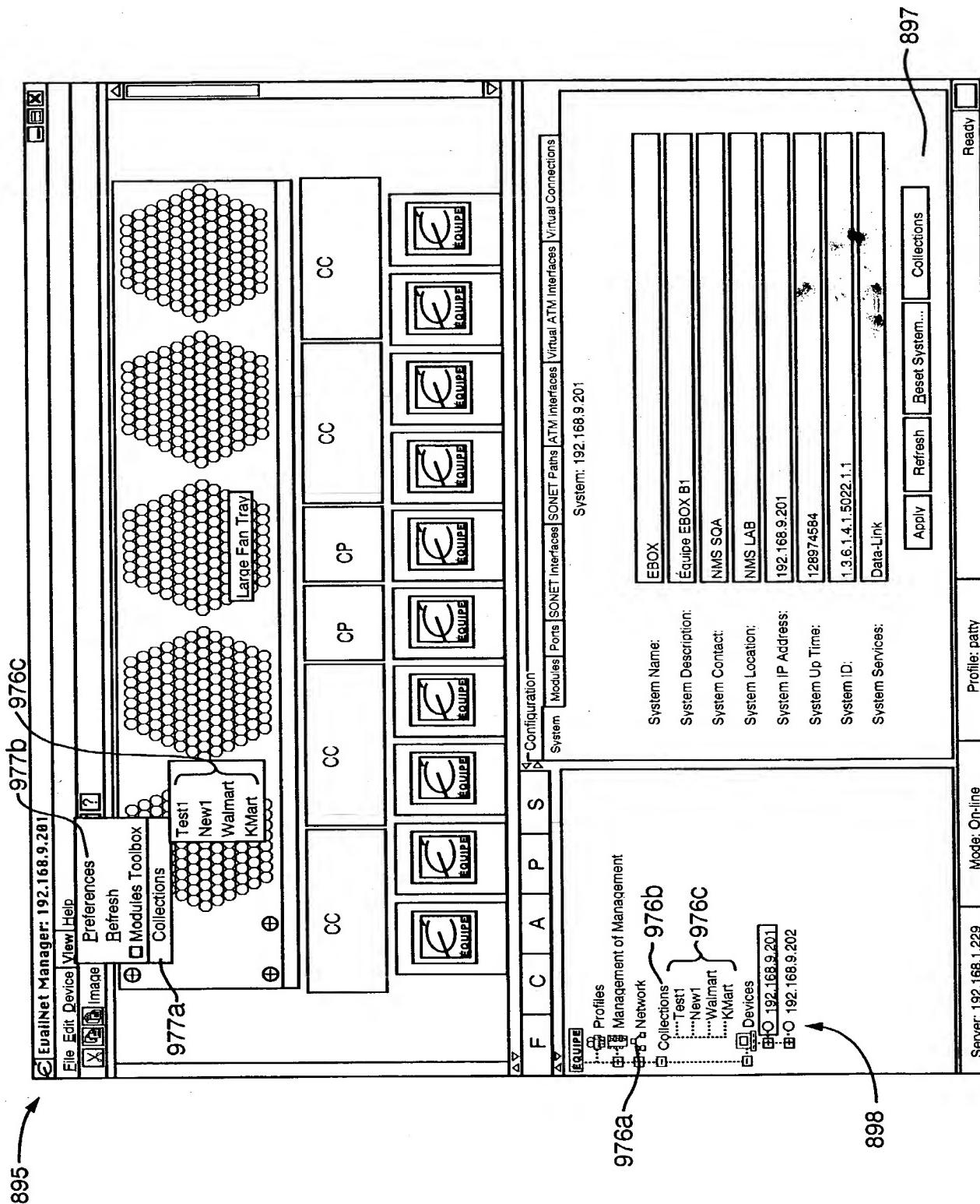


FIG. 10A

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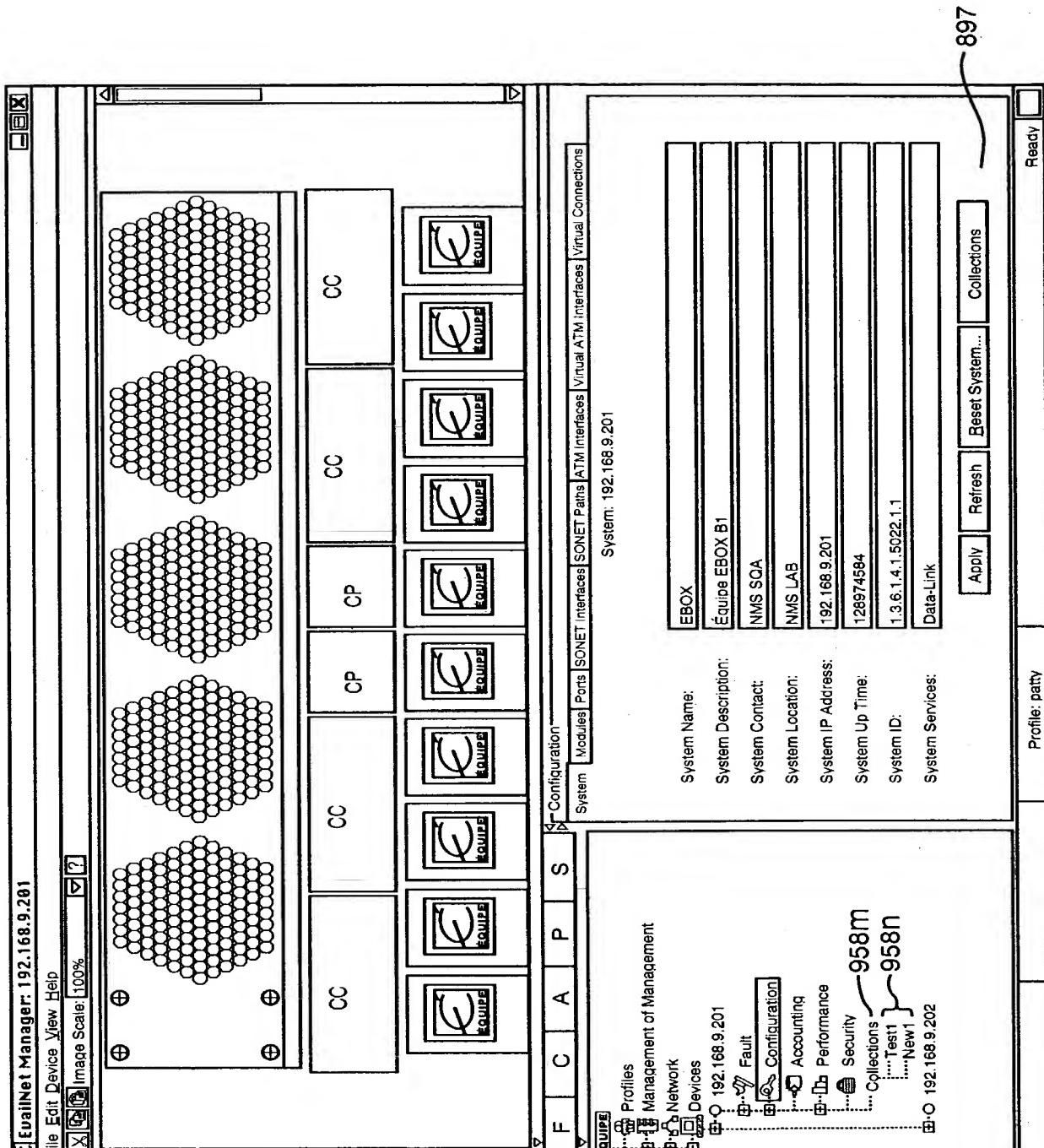


FIG. 10B

102689-85

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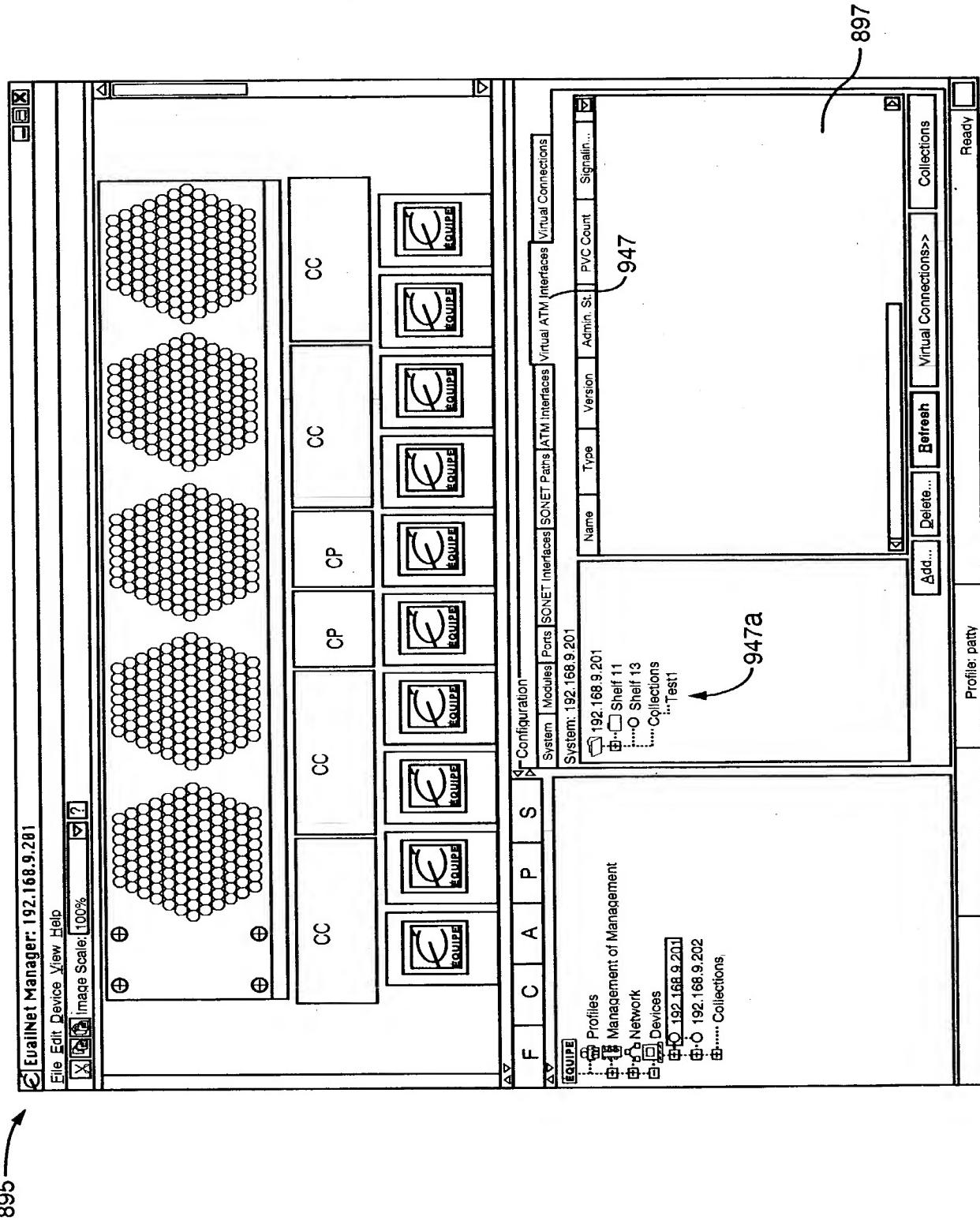


FIG. 10C

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FIG. 10D

FIG. 979a

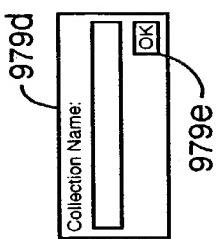
Module Details					
Shelf Slot	Location	Description	Oper. Status	Temperature	Version
1/1	front	Large Fan Tray	Status Unknown	Temp Unknown	
2/1	front	Cross Connect	Status Unknown	Temp Unknown	
2/2	front	Cross Connect	Status Unknown	Temp Unknown	
2/3	front	Control Processor	Status Unknown	Temp Unknown	
2/4	front	Control Processor	Status Unknown	Temp Unknown	
2/5	front	Cross Connect	Status Unknown	Temp Unknown	
2/6	front	Cross Connect	Status Unknown	Temp Unknown	
3/1	front	Forwarding Processor	Status Unknown	Temp Unknown	
3/2	front	Forwarding Processor	Status Unknown	Temp Unknown	
3/3	front	Forwarding Processor	Status Unknown	Temp Unknown	
3/4	front	Forwarding Processor	Status Unknown	Temp Unknown	
3/5	front	Forwarding Processor	Status Unknown	Temp Unknown	
3/6	front	Forwarding Processor	Status Unknown	Temp Unknown	
3/7	front	Forwarding Processor	Status Unknown	Temp Unknown	
3/8	front	Forwarding Processor	Status Unknown	Temp Unknown	

FIG. 979b

Profile: patty			
897	Refresh	Reset Module(s)	Software...
Module Count 59			

FIG. 979c

Add to Collection	Collections	New Collection
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FIG. 10E

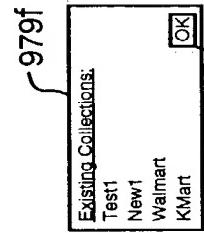


FIG. 10F

979g

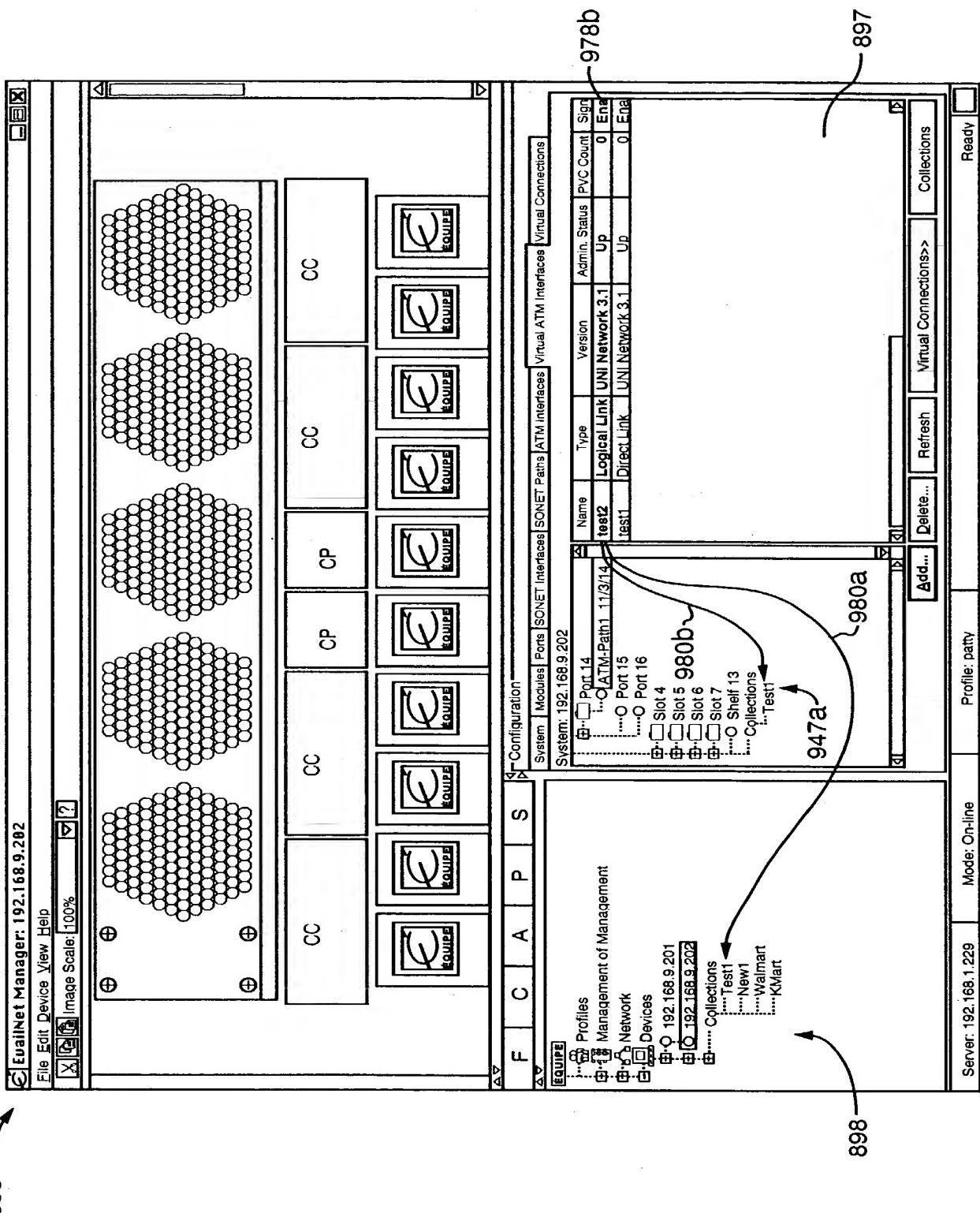
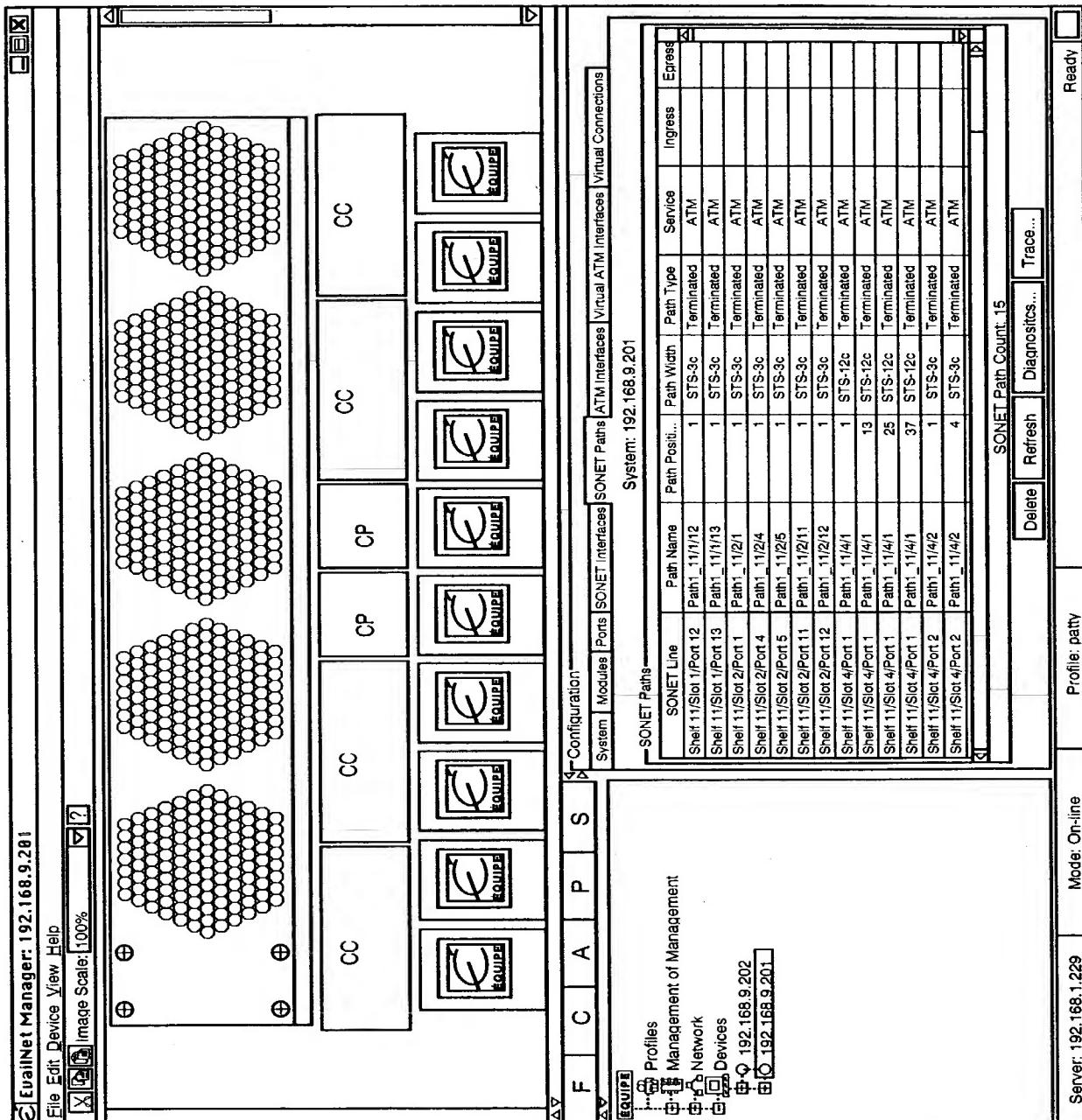
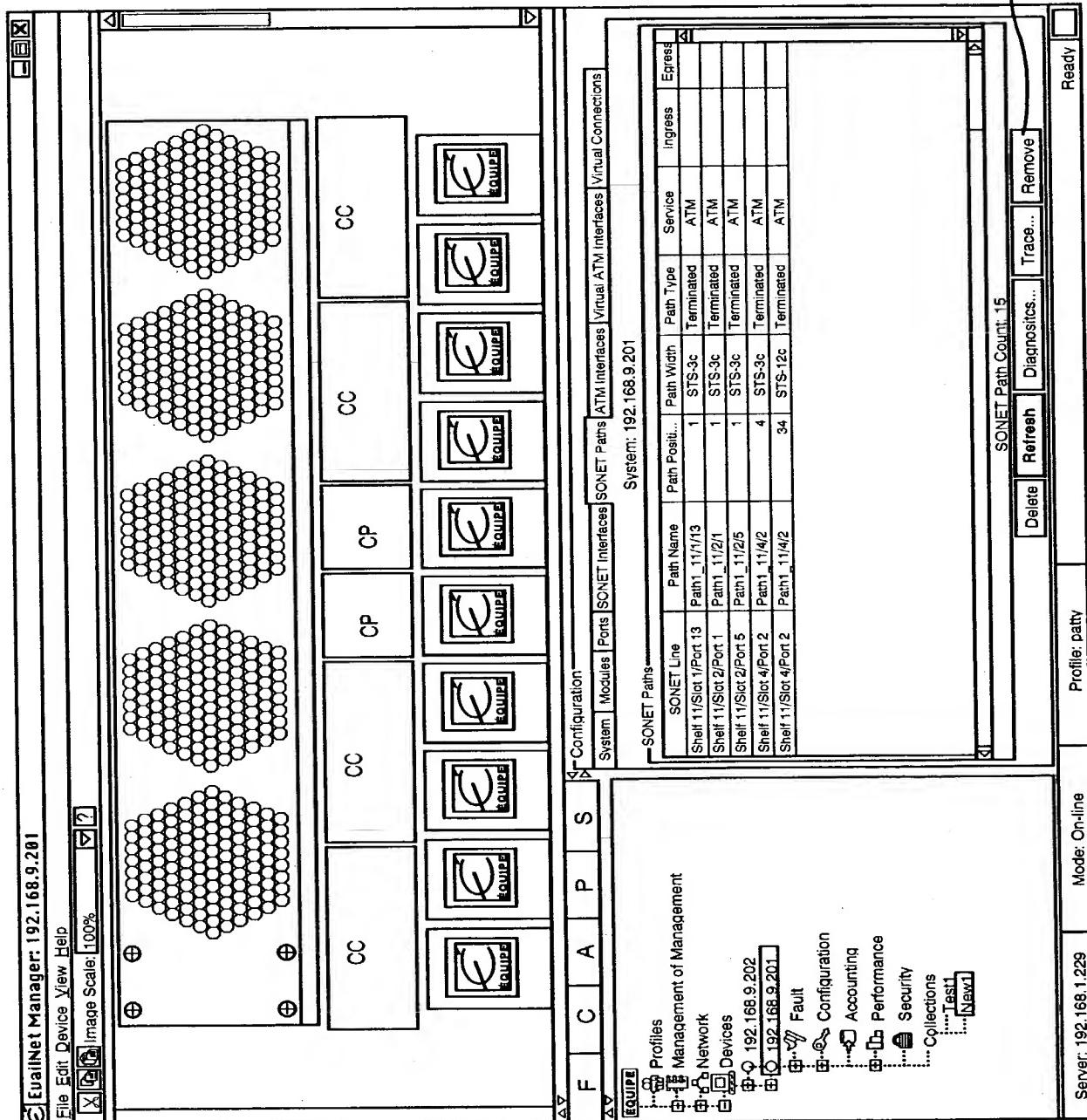


FIG. 10G



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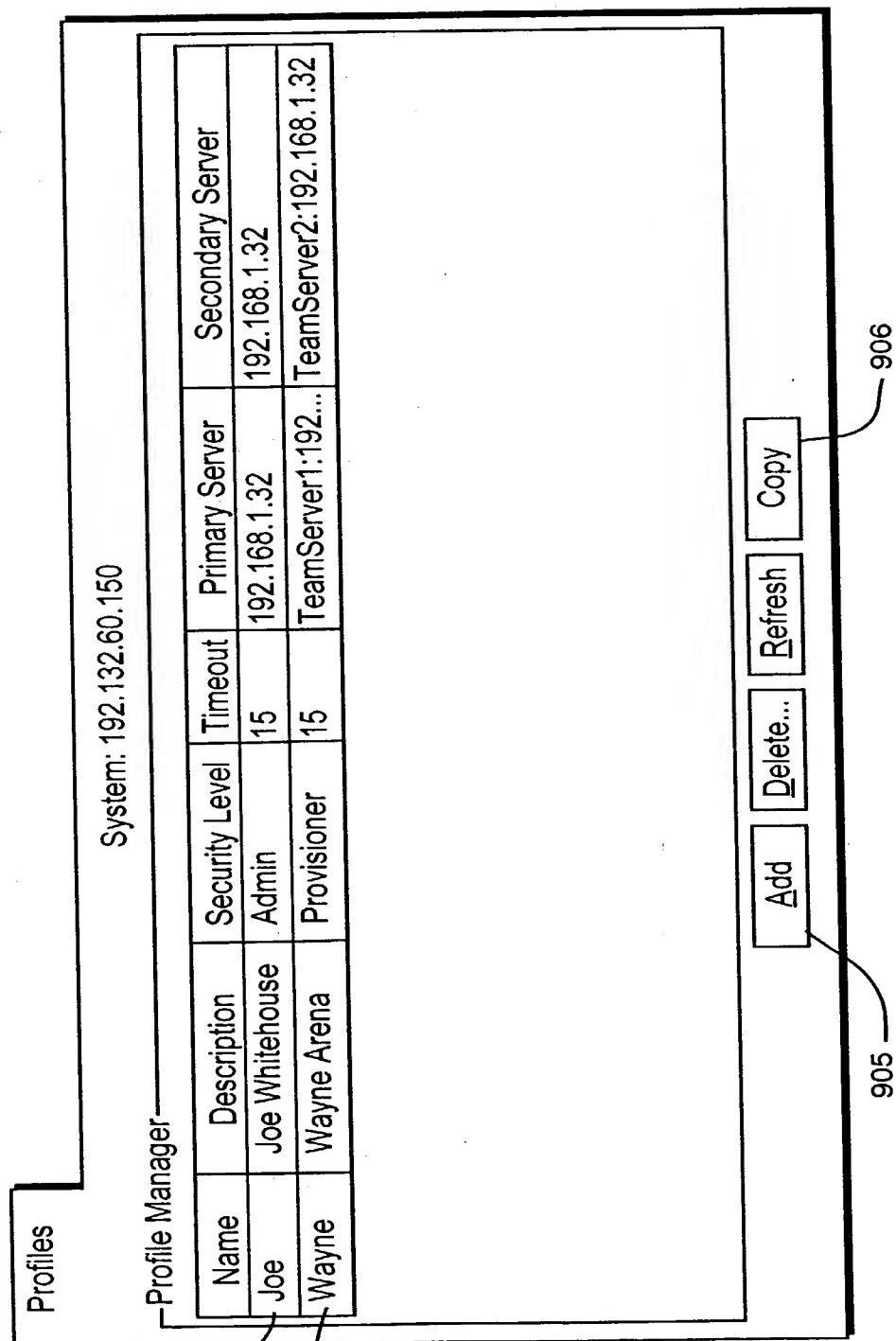


FIG. 11A

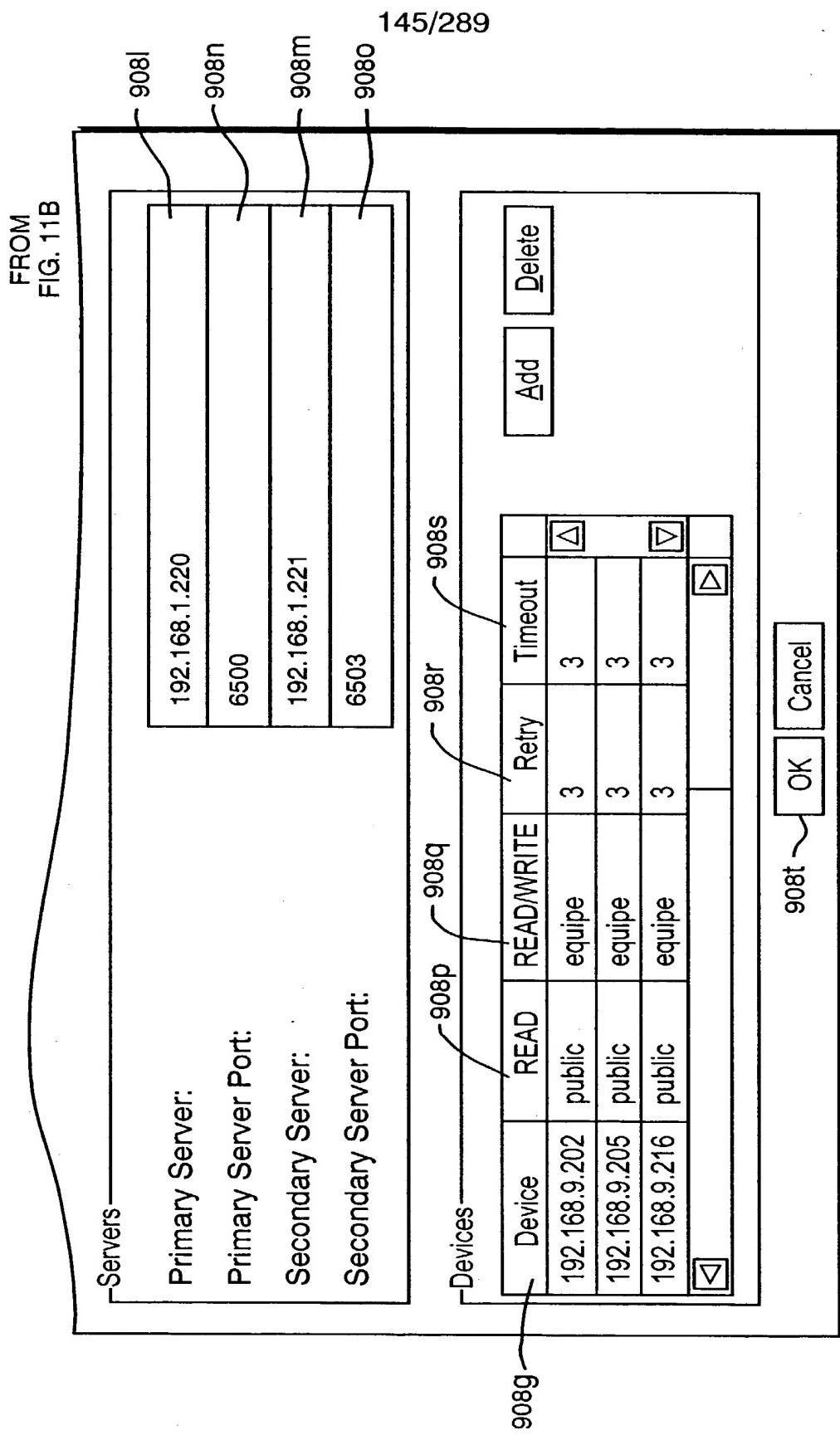
907 →

General	
<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Username:	Kevin
Description:	Kevin Snow user account
Group Name:	Equipe
Group Level Access:	<input checked="" type="checkbox"/>
Password:	*****
Confirm Password:	*****
Policies	
908h	<input checked="" type="checkbox"/> User Cannot Change Password
908i	<input type="checkbox"/> Account Disabled
908j	<input checked="" type="checkbox"/> User Can Add Devices
User Session Timeout: <input type="text" value="15"/> Minutes	

908a
908e
908f
908d
908b
908c
908k

TO
FIG. 11C

FIG. 11B



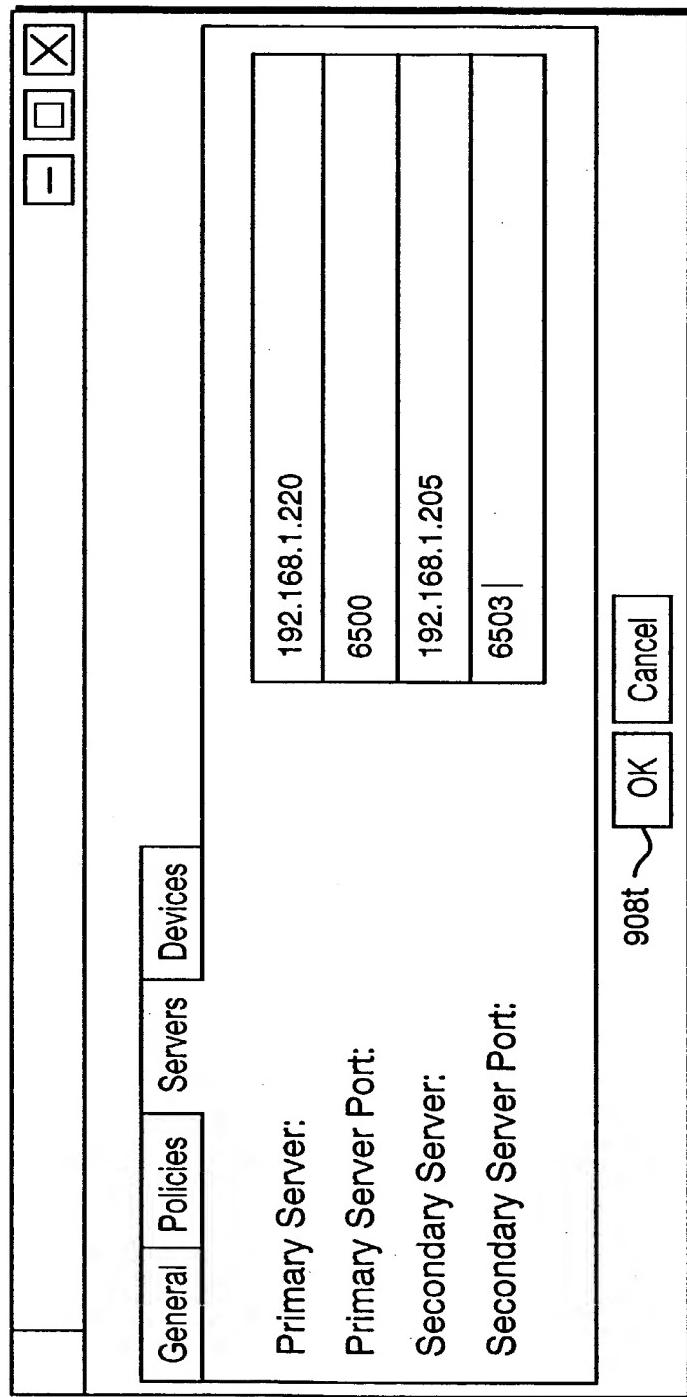


FIG. 11D

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Device Configuration						
Device	READ		READ/WRITE		Timeout	Trap Port
	General	Policies	Servers	Devices		
192.168.9.202	public		equipe		3	3
192.168.9.205	public		equipe		3	162
192.168.9.216	public		equipe		3	5012

Add Delete

OK ~ Cancel

FIG. 11E

	<input type="button" value="-"/>	<input type="button" value="□"/>	<input checked="" type="button" value="X"/>				
<table border="1"><tr><td>General</td><td>Policies</td><td>Servers</td><td>Devices</td></tr></table>				General	Policies	Servers	Devices
General	Policies	Servers	Devices				
Username:	Kevin						
Description:	Kevin Snow user account						
Customer Name:	Equipe						
Group Level Access:	<input checked="" type="checkbox"/> <input type="checkbox"/>						
Password:	*****						
Confirm Password:	*****						
908t ~ <input type="button" value="OK"/> <input type="button" value="Cancel"/>							

FIG. 11F

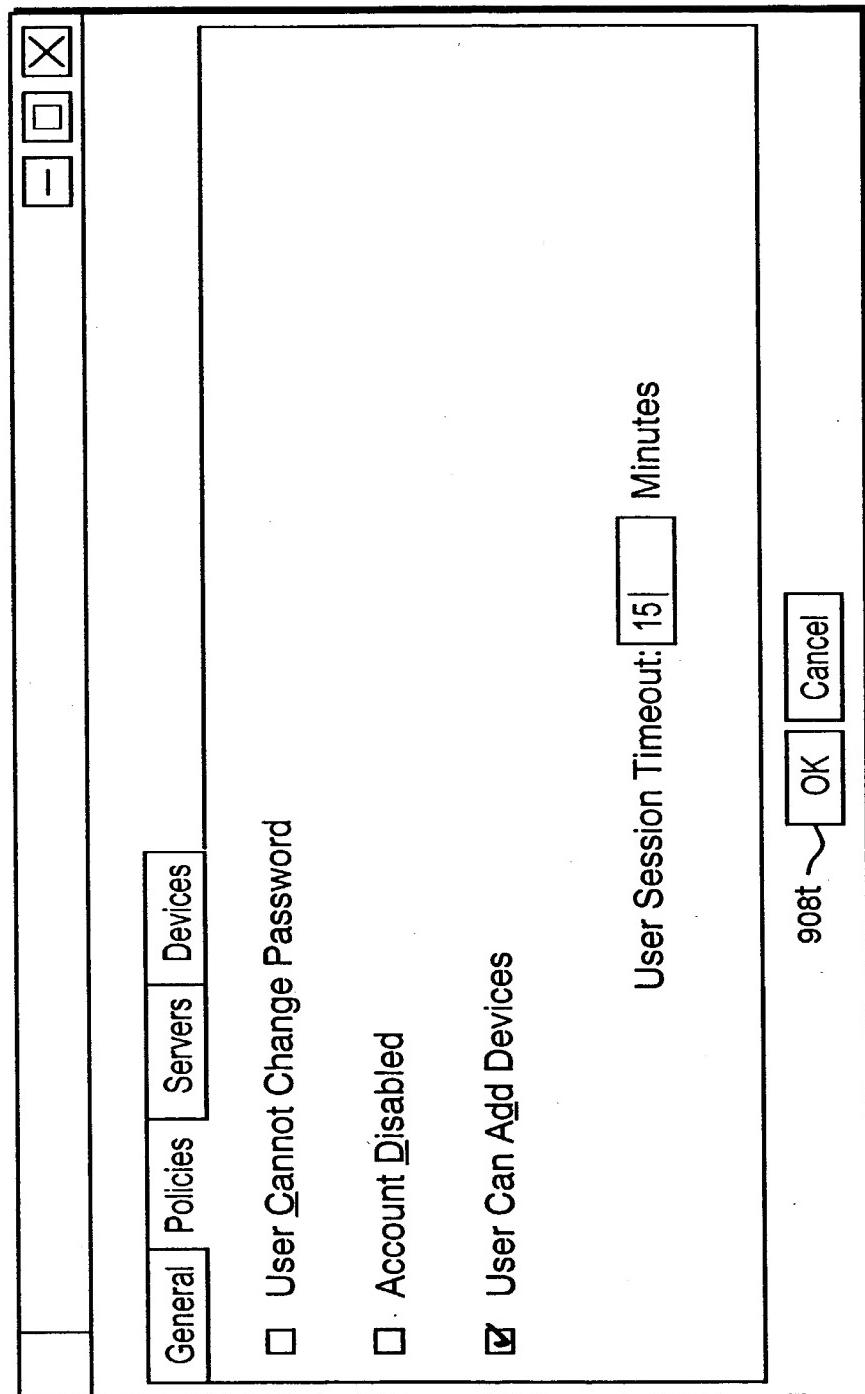


FIG. 11G

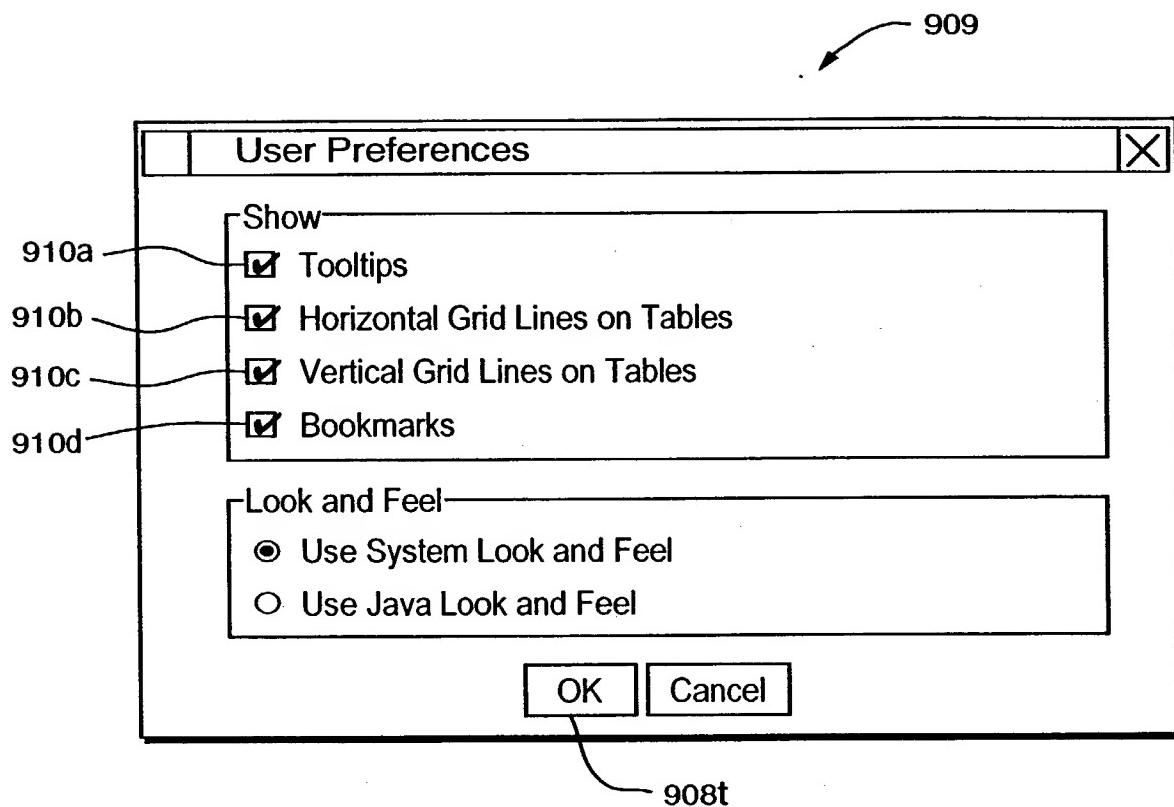


FIG. 11H

General		Policies				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Username:	Kevin	908a	908e	908f	908d	908c
Description:	Kevin Snow User account					
Group Name:	Equipe					
Group Level Access:		<input checked="" type="checkbox"/>				
Password:	*****					
Confirm Password:	*****					
		908h	908i	908j	908k	TO FIG. 11J
		<input checked="" type="checkbox"/> User Cannot Change Password	<input type="checkbox"/> Account Disabled	<input checked="" type="checkbox"/> User Can Add Devices	<input type="checkbox"/> 15 Minutes	FIG. 11I

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FROM
FIG. 11I

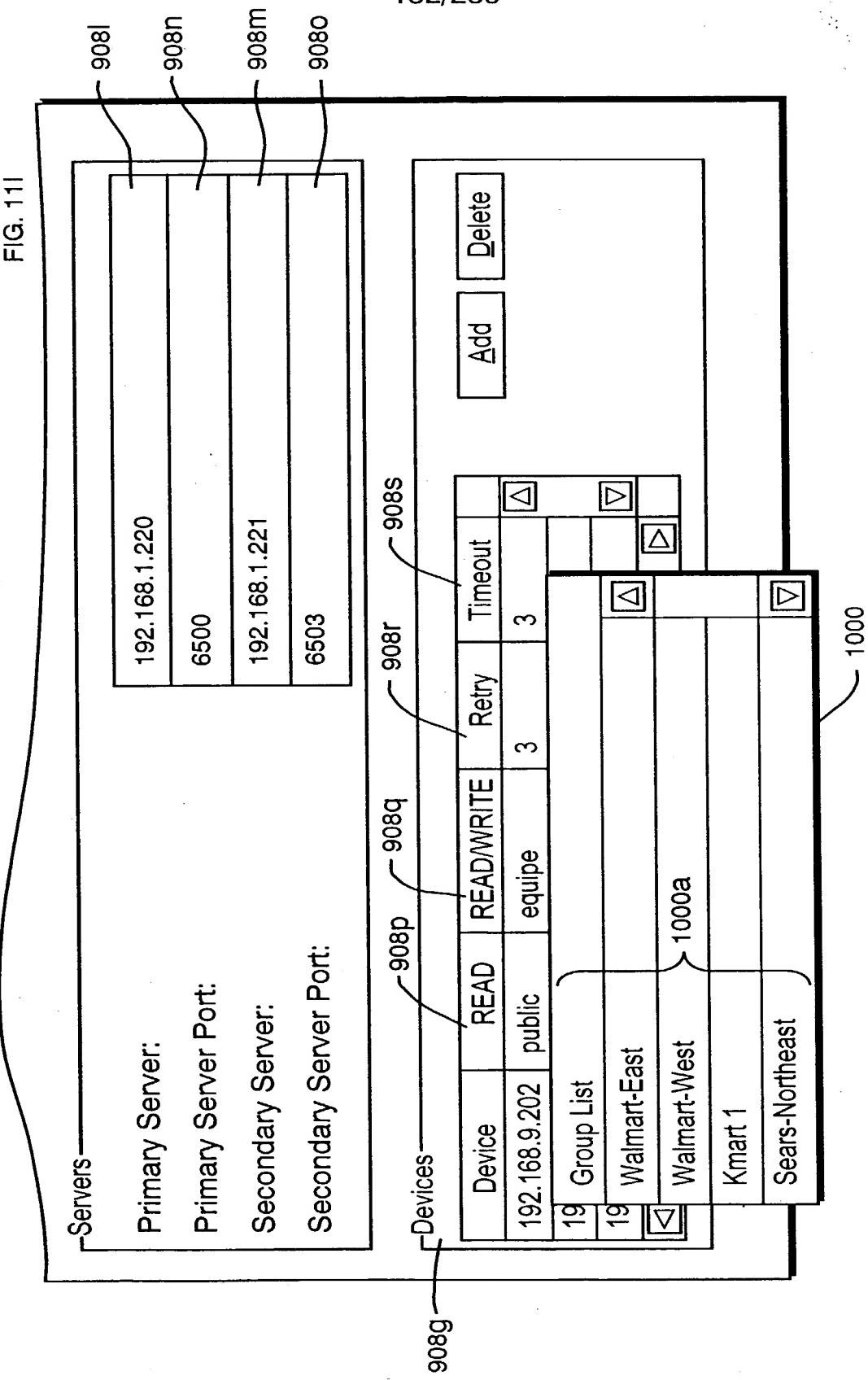


FIG. 11J

EvalNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line X

Slot <input type="text" value="8"/>	Port <input type="text" value="5"/>	Type <input type="text" value="OC12"/>
-------------------------------------	-------------------------------------	--

SONET Path Wizard Configure a single concatenated path (STS-12c) paths

Configure STS-3C

Custom Configuration

Graphical Representation Position Width

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		

1002e ~ Modify

1002a

1002b ~ 1002c Group Name:

1002d ~ OK Cancel

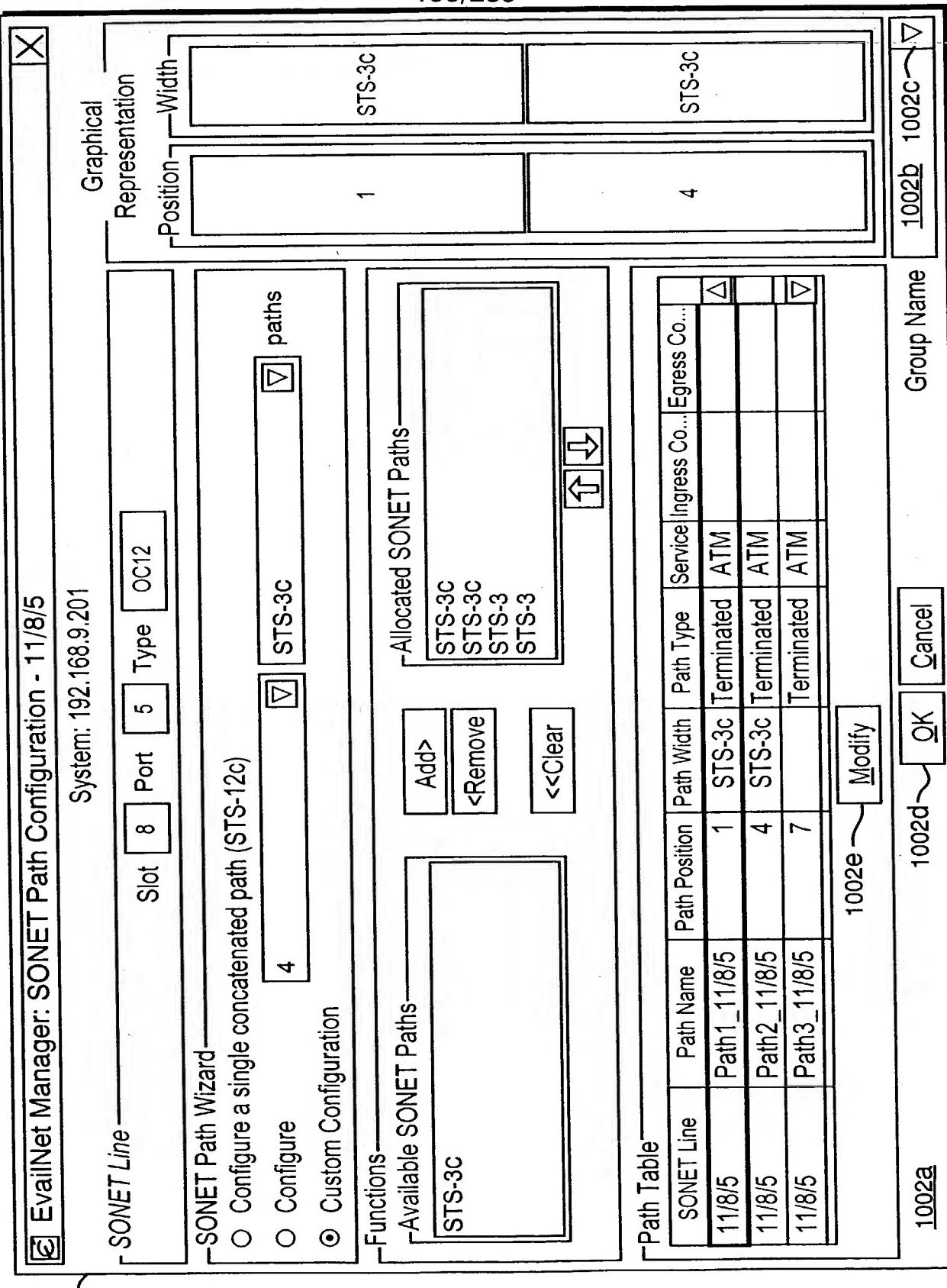
FIG. 11K

1002

EvailNet Manager: SONET Path Configuration - 11/8/5																																									
System: 192.168.9.201																																									
SONET Line	<input type="checkbox"/> Slot <input type="text" value="8"/> Port <input type="text" value="5"/> Type <input type="text" value="OC12"/>																																								
Graphical Representation	<table border="1"> <thead> <tr> <th>Position</th> <th>Width</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>STS-3C</td> </tr> <tr> <td>4</td> <td>STS-3C</td> </tr> <tr> <td>7</td> <td>STS-3C</td> </tr> <tr> <td>10</td> <td>STS-3C</td> </tr> </tbody> </table>	Position	Width	1	STS-3C	4	STS-3C	7	STS-3C	10	STS-3C																														
Position	Width																																								
1	STS-3C																																								
4	STS-3C																																								
7	STS-3C																																								
10	STS-3C																																								
SONET Path Wizard	<input type="radio"/> Configure a single concatenated path (STS-12c) <input checked="" type="radio"/> Configure <input type="radio"/> Custom Configuration																																								
Path Table	<table border="1"> <thead> <tr> <th>SONET Line</th> <th>Path Name</th> <th>Path Posit.</th> <th>Path Wi.</th> <th>Path Ty.</th> <th>Servi.</th> <th>Ingress Conne.</th> <th>Egress Conne.</th> </tr> </thead> <tbody> <tr> <td>11/8/5</td> <td>Path1_11/8/5</td> <td>1</td> <td>STS-3C</td> <td>Termin.</td> <td>ATM</td> <td></td> <td></td> </tr> <tr> <td>11/8/5</td> <td>Path2_11/8/5</td> <td>4</td> <td>STS-3C</td> <td>Termin.</td> <td>ATM</td> <td></td> <td></td> </tr> <tr> <td>11/8/5</td> <td>Path3_11/8/5</td> <td>7</td> <td>STS-3C</td> <td>Termin.</td> <td>ATM</td> <td></td> <td></td> </tr> <tr> <td>11/8/5</td> <td>Path4_11/8/5</td> <td>10</td> <td>STS-3C</td> <td>Termin.</td> <td>ATM</td> <td></td> <td></td> </tr> </tbody> </table>	SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.	11/8/5	Path1_11/8/5	1	STS-3C	Termin.	ATM			11/8/5	Path2_11/8/5	4	STS-3C	Termin.	ATM			11/8/5	Path3_11/8/5	7	STS-3C	Termin.	ATM			11/8/5	Path4_11/8/5	10	STS-3C	Termin.	ATM		
SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.																																		
11/8/5	Path1_11/8/5	1	STS-3C	Termin.	ATM																																				
11/8/5	Path2_11/8/5	4	STS-3C	Termin.	ATM																																				
11/8/5	Path3_11/8/5	7	STS-3C	Termin.	ATM																																				
11/8/5	Path4_11/8/5	10	STS-3C	Termin.	ATM																																				
1002a	<input type="button" value="Modify"/>																																								
1002d	<input type="button" value="OK"/> <input type="button" value="Cancel"/> Group Name: <input type="text"/>																																								
1002b	<input checked="" type="checkbox"/> 1002c																																								

1002e

FIG. 11L



1002e

FIG. 11M

MANAGED RESOURCE GROUP TABLE 1008

1008a → LID → 1008b → MANAGED DEVICE PID → 1008c → GROUP NAME → 1008d

LID	MANAGED DEVICE PID	GROUP NAME
1145	1	WALMART-EAST
⋮	⋮	⋮
⋮	⋮	⋮
⋮	⋮	⋮

FIG. 11N

MANAGED RESOURCE TABLE 1007

1007a → LID → 1007b → RESOURCE LID → 1007c → MANAGE RESOURCE GROUP LID

LID	RESOURCE LID	MANAGE RESOURCE GROUP LID
4443	901	1145
⋮	⋮	⋮
⋮	⋮	⋮
⋮	⋮	⋮

FIG. 11O

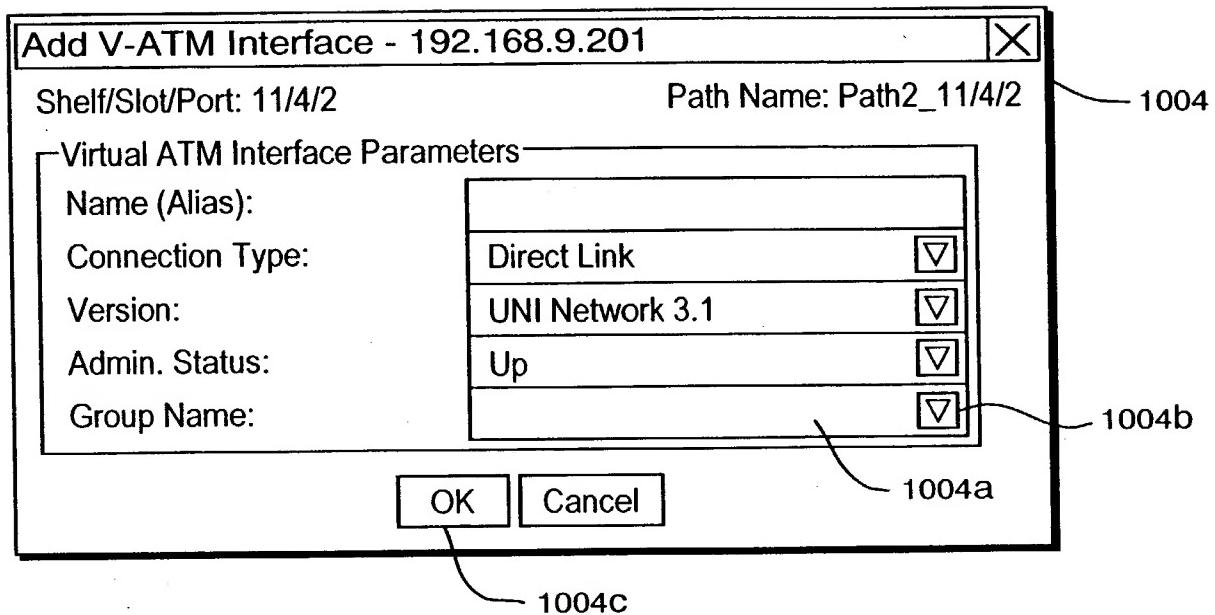


FIG. 11P

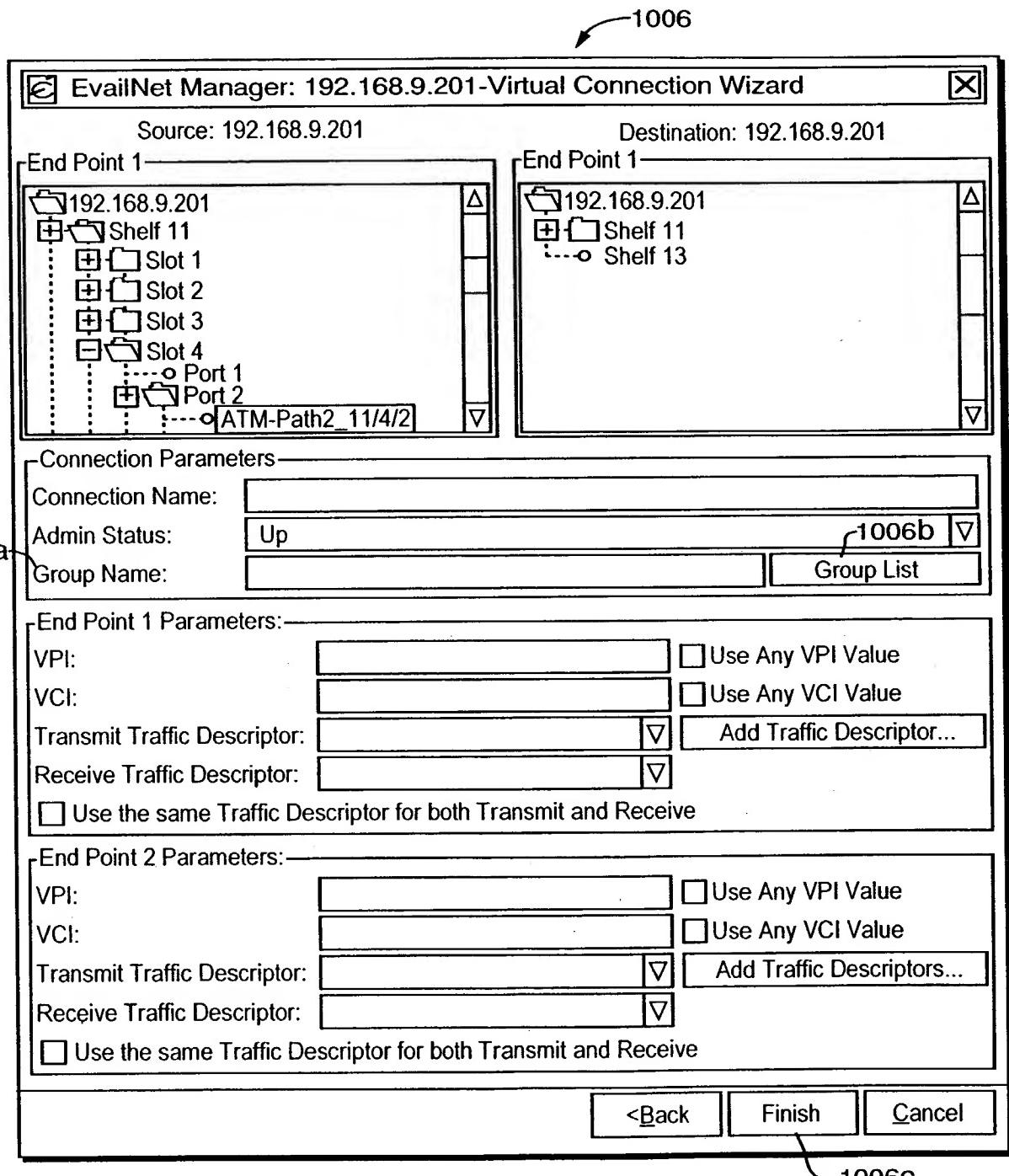


FIG. 11Q

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USER TABLE 1010

Diagram illustrating the structure of the User Table (1010). The table has four columns: LID, USERNAME, PASSWORD, and GROUP LEVEL ACCESS. The columns are labeled 1010b, 1010c, 1010d, and 1010e respectively. The first row contains data for user DAVE. The second row contains three dots, indicating continuation.

LID	USERNAME	PASSWORD	GROUP LEVEL ACCESS
2012	DAVE	MARBLE	PROVISIONER
:	:	:	
:	:	:	
:	:	:	

FIG. 11R

USER MANAGED DEVICE TABLE 1012

Diagram illustrating the structure of the User Managed Device Table (1012). The table has five columns: LID, USER LID, HOST LID, RETRY, and TIMEOUT. The columns are labeled 1012b, 1012c, 1012d, and 1012e respectively. The first row contains data for device 7892. The second row contains three dots, indicating continuation.

LID	USER LID	HOST LID	RETRY	TIMEOUT
7892	2012	9046		
:	:	:	:	:
:	:	:	:	:
:	:	:	:	:

FIG. 11S

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ADMINISTRATION MANAGED DEVICE TABLE 1014

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3
:	:	:	:	:	:	:	:
1014C							

FIG. 11T

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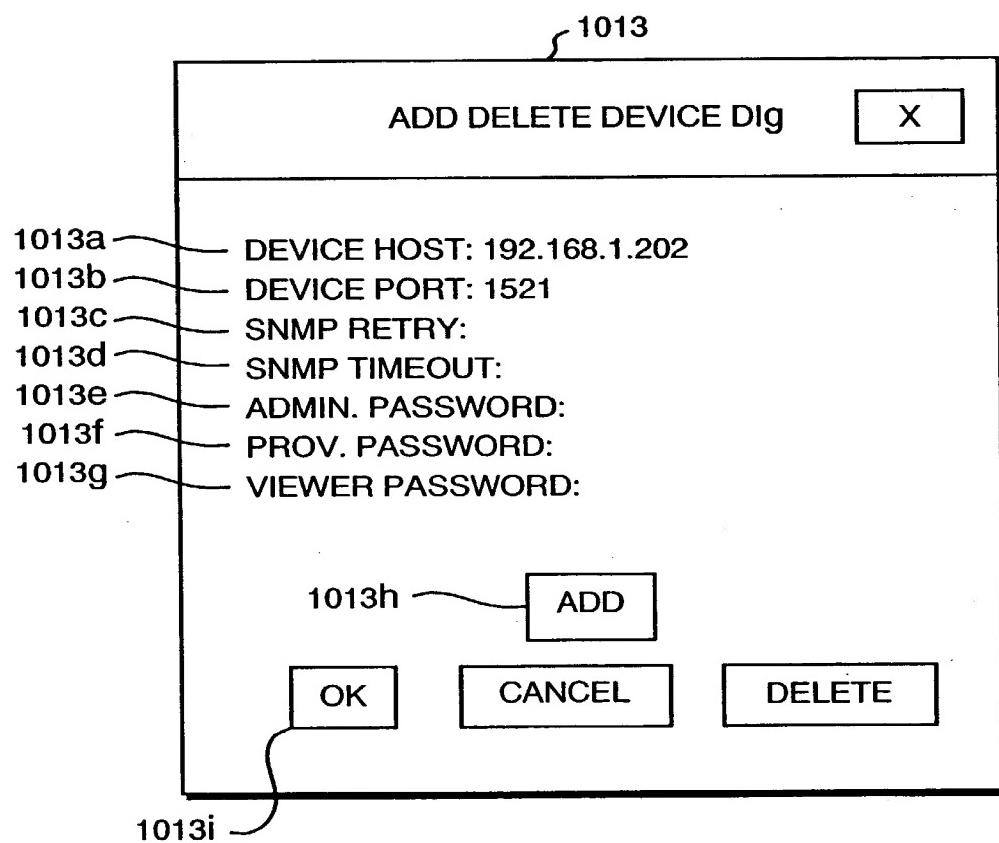


FIG. 11U

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USER RESOURCE GROUP MAP TABLE 1016

1016a → 1016b ↗ 1016c →

LID	USER LID	USER RESOURCE GROUP LID
8086	2012	1024
⋮	⋮	⋮
⋮	⋮	⋮
⋮	⋮	⋮

FIG. 11V

USER RESOURCE GROUP TABLE 1018

1018a → 1018b ↗ 1018c →
1018d →

LID	HOST LID	GROUP NAME
1024	9046	WALMART-EAST
⋮	⋮	⋮
⋮	⋮	⋮
⋮	⋮	⋮

FIG. 11W

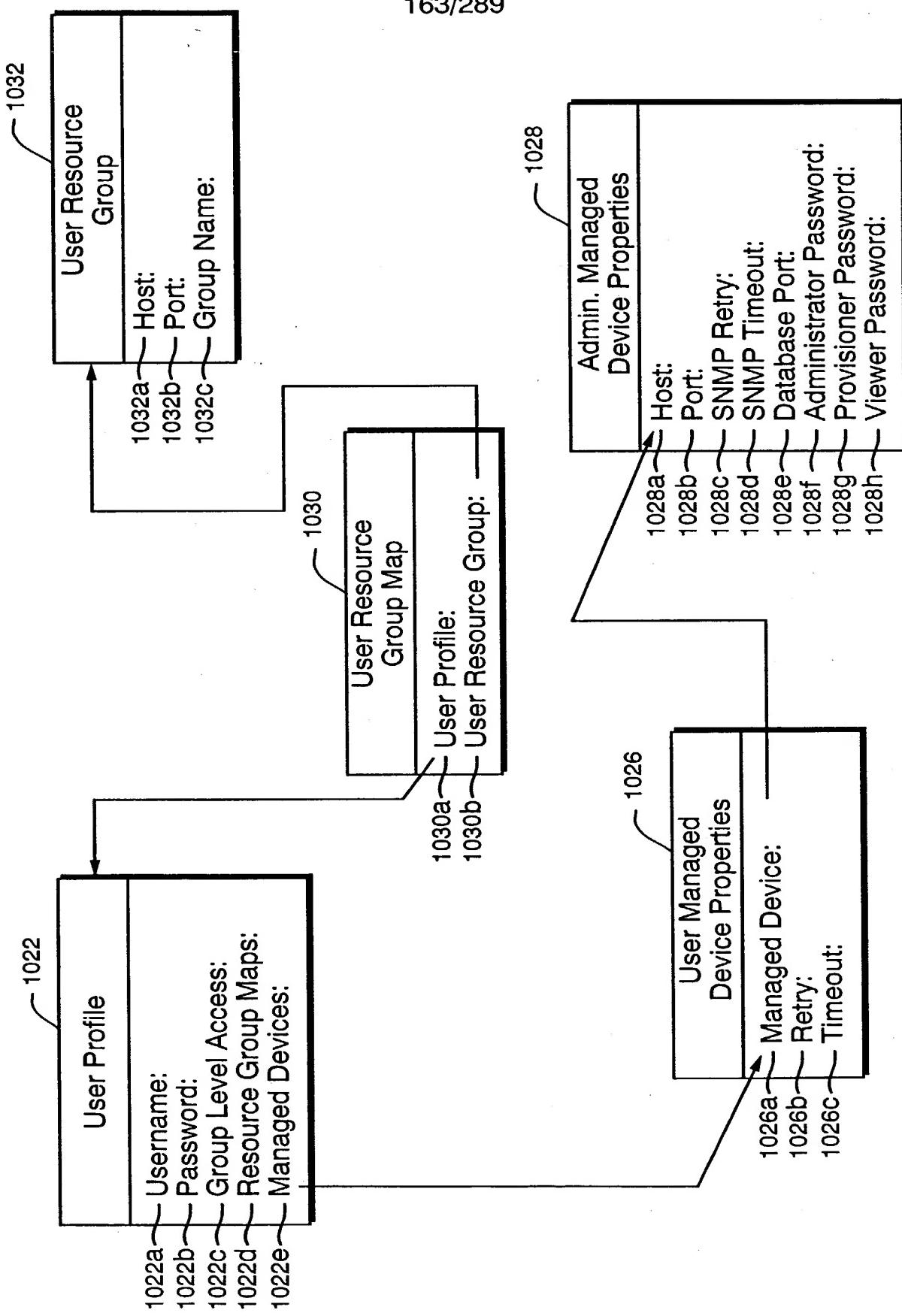


FIG. 11X

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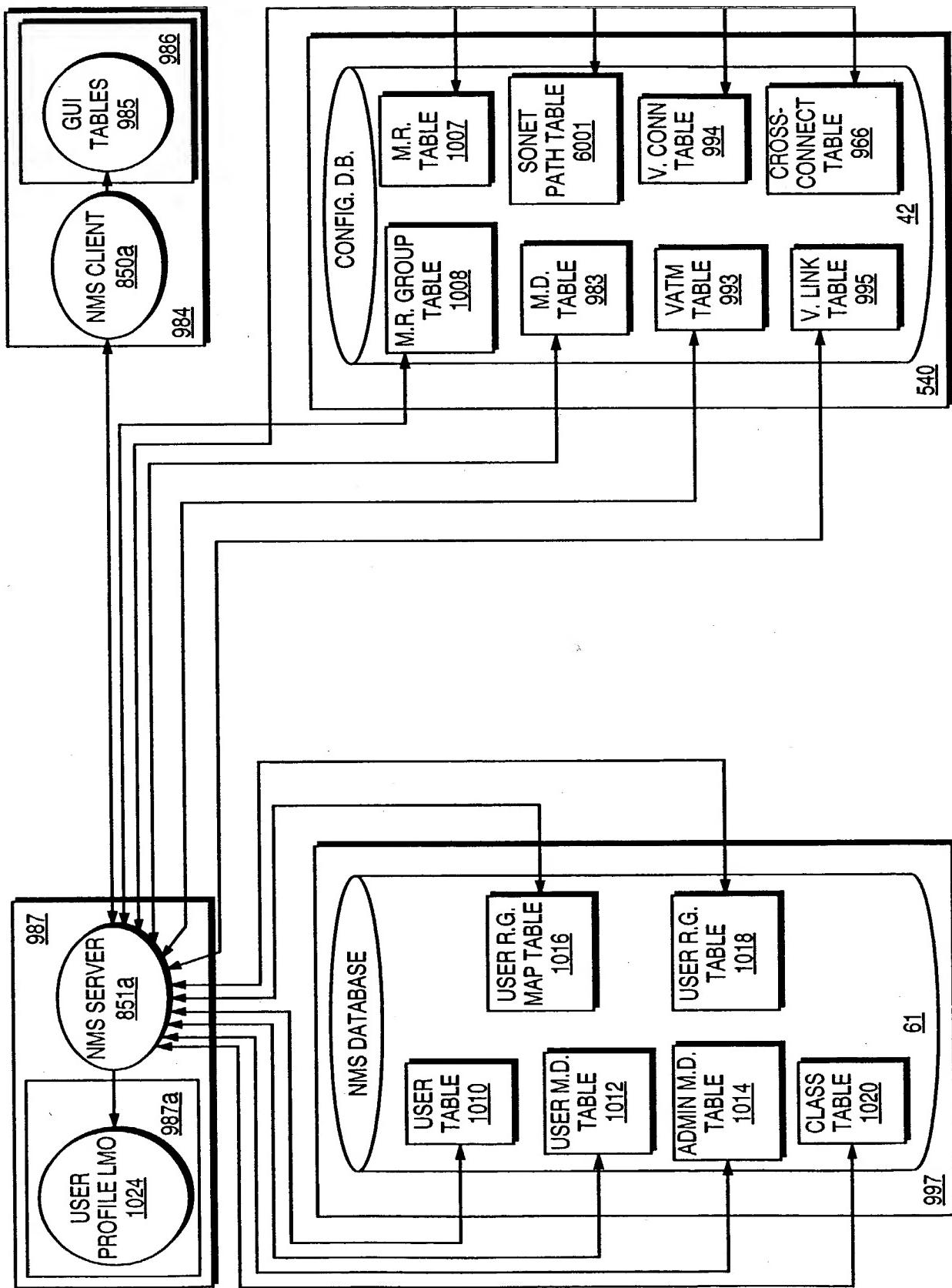


FIG. 11Y

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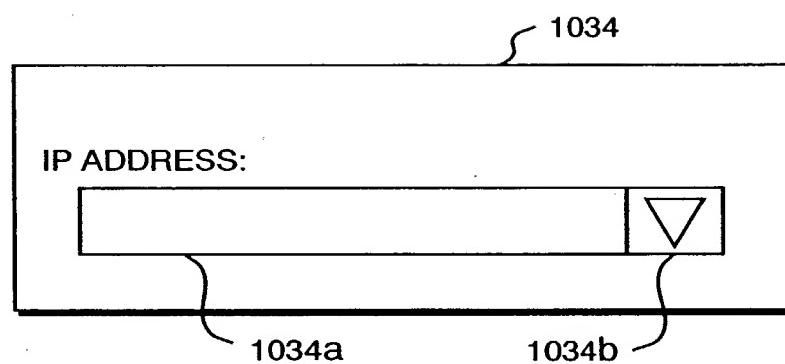


FIG. 11Z

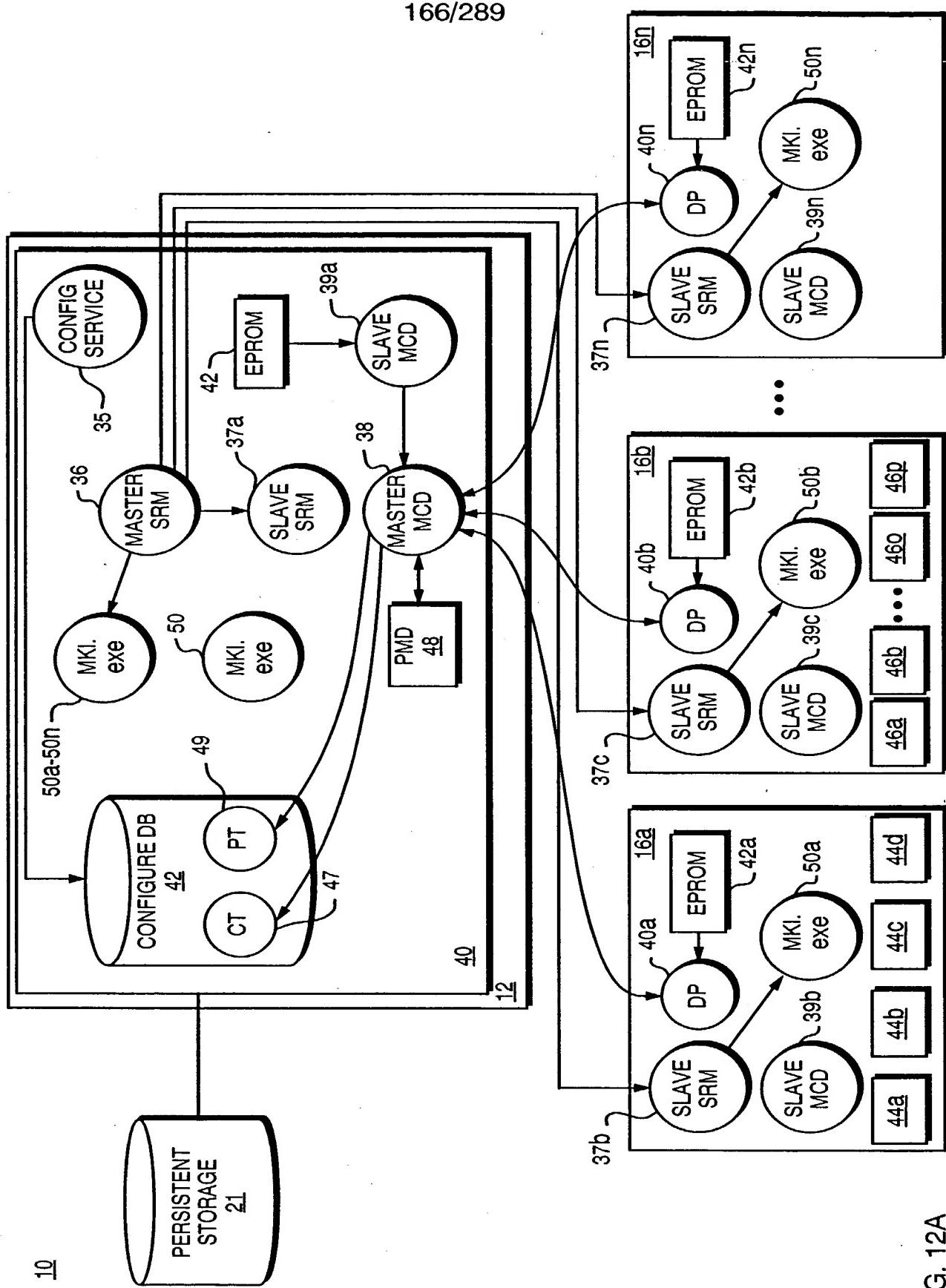


FIG. 12A

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CARD TABLE 47

PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1
16b	501	0XF002	4	2
	•	•	•	•
	•	•	•	•
	•	•	•	•
16e	505	0X6002	1	5
	•	•	•	•
	•	•	•	•
	•	•	•	•
16n	513	0XF002	1	12
	•	•	•	•
	•	•	•	•
	•	•	•	•

FIG. 12B

PORT TABLE 49

PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1
44b	1501	00620	1	1
44C	1502	00620	1	1
44d	1503	00620	1	1
44a	1504	00820		
	•	•	•	•
46a	•	•	•	•
	•	•	•	•
	1600	00620	1	8
	•	•	•	•
	•	•	•	•
	•	•	•	•

FIG. 12C

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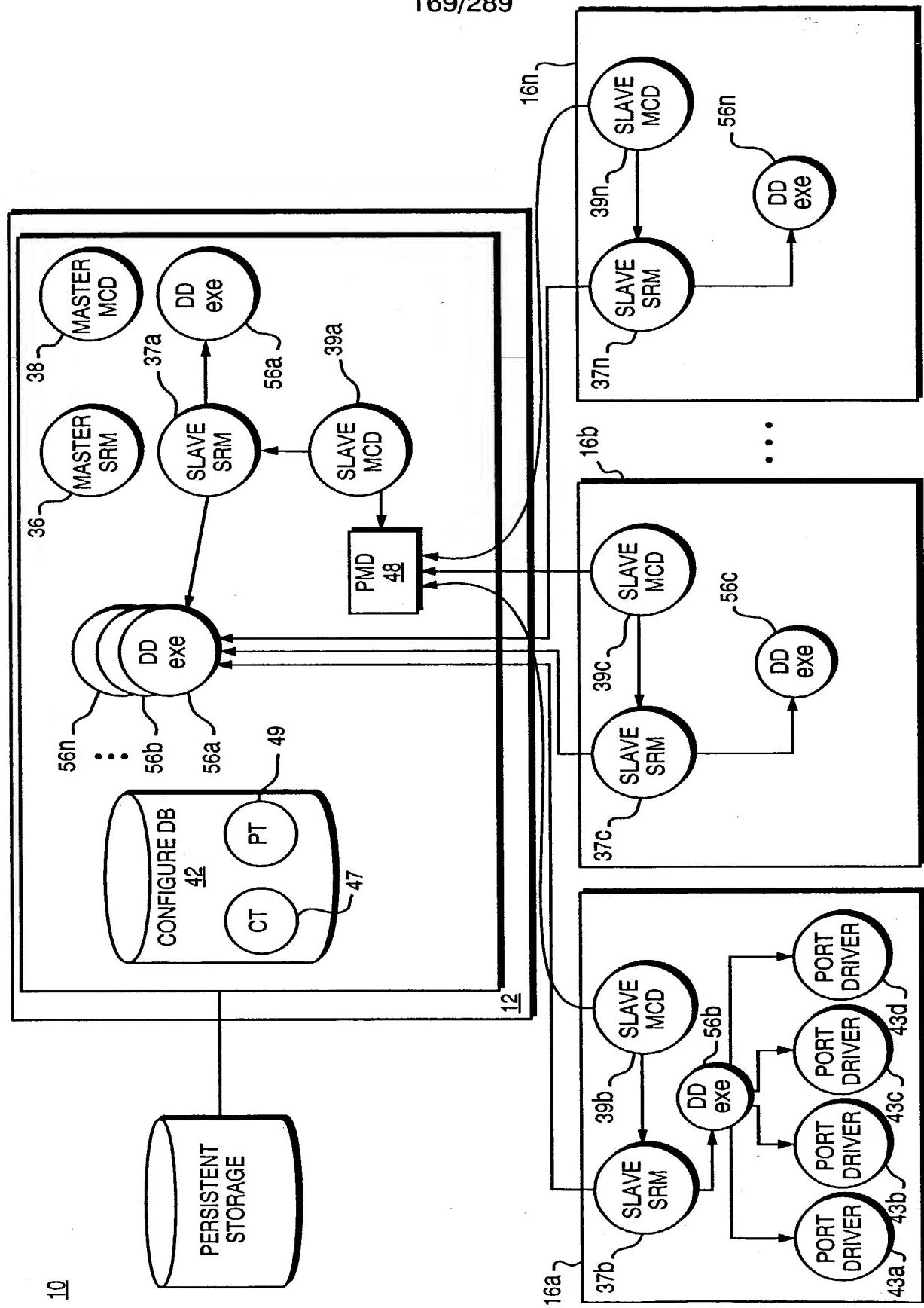


FIG. 13A

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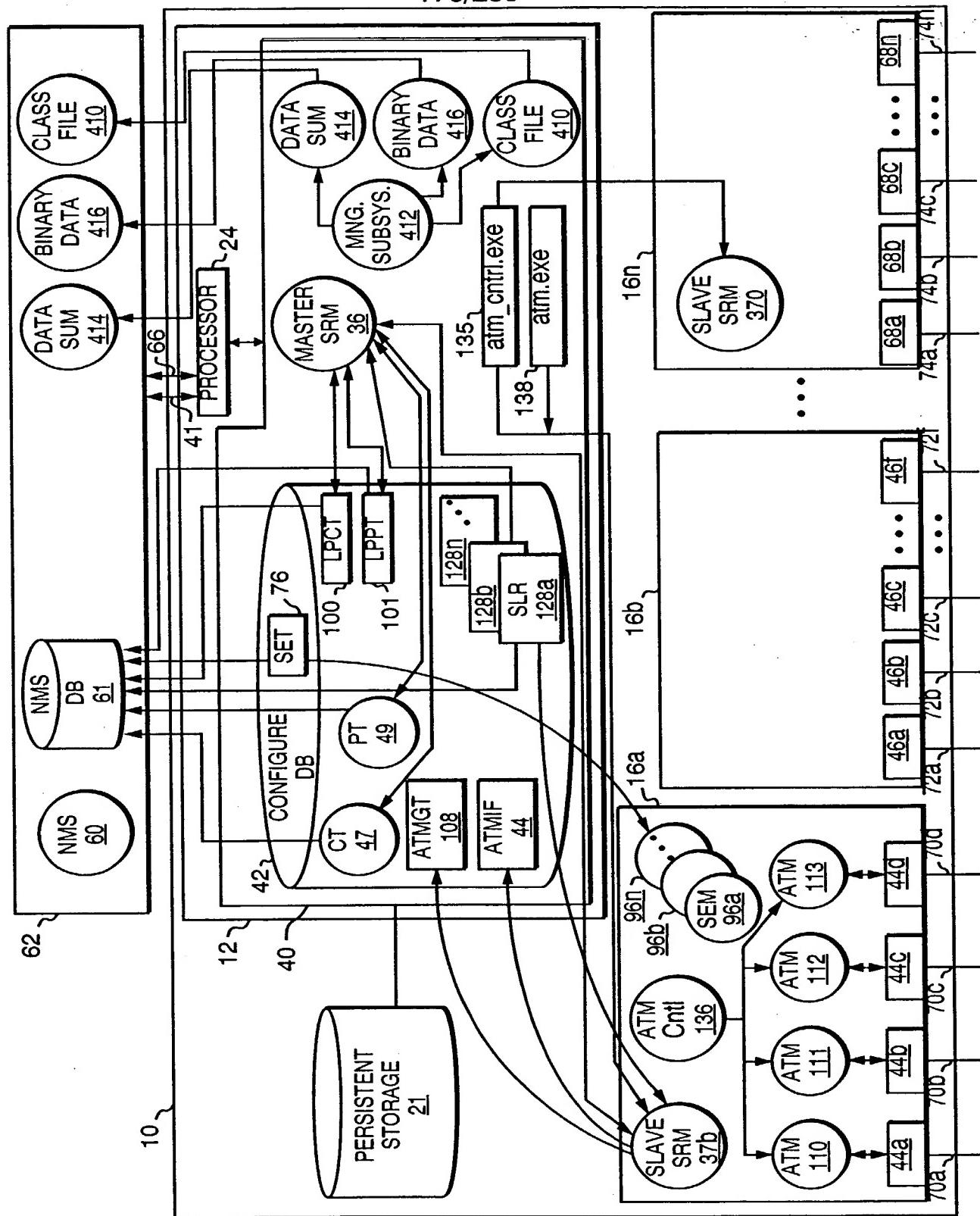


FIG. 13B

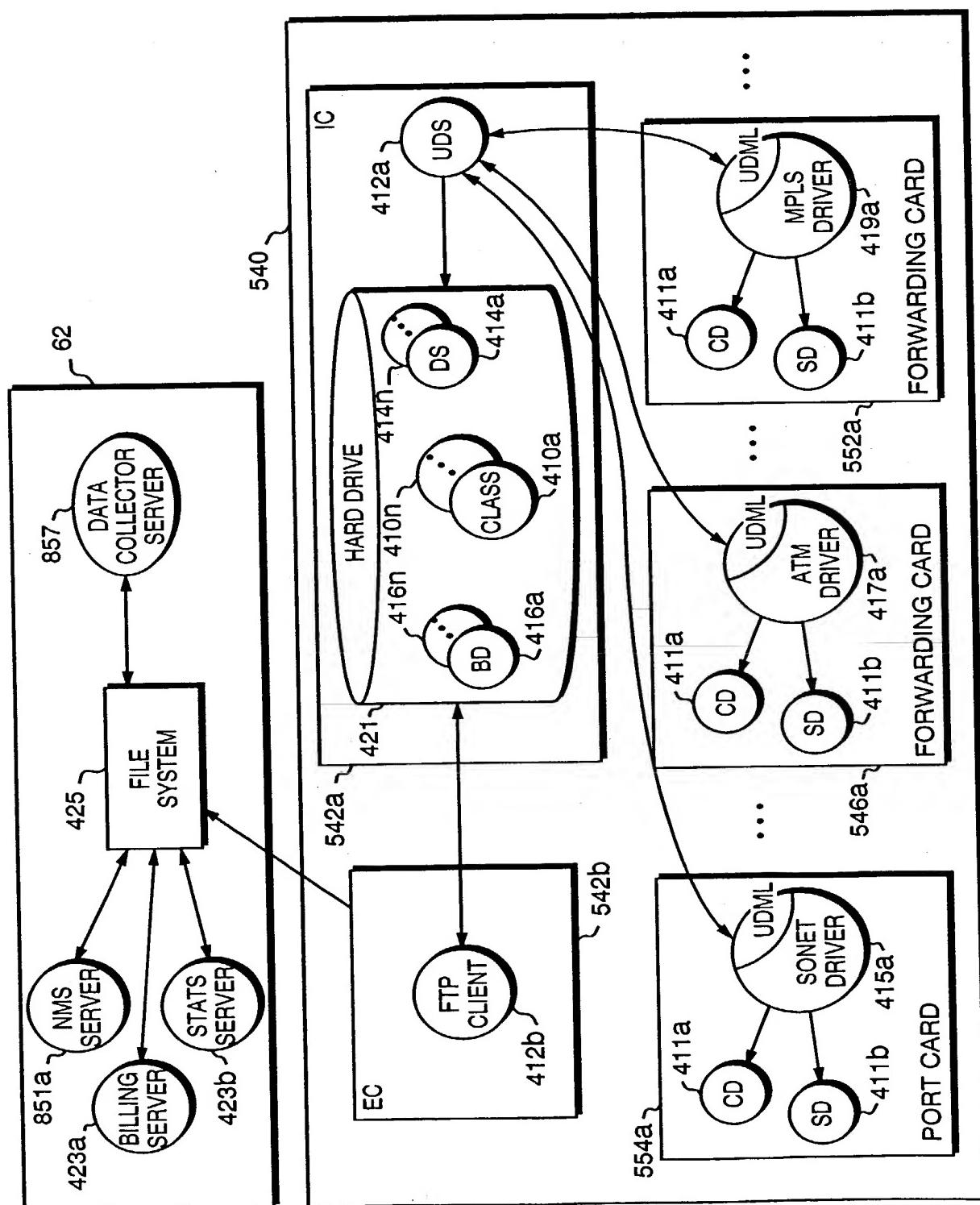


FIG. 13C

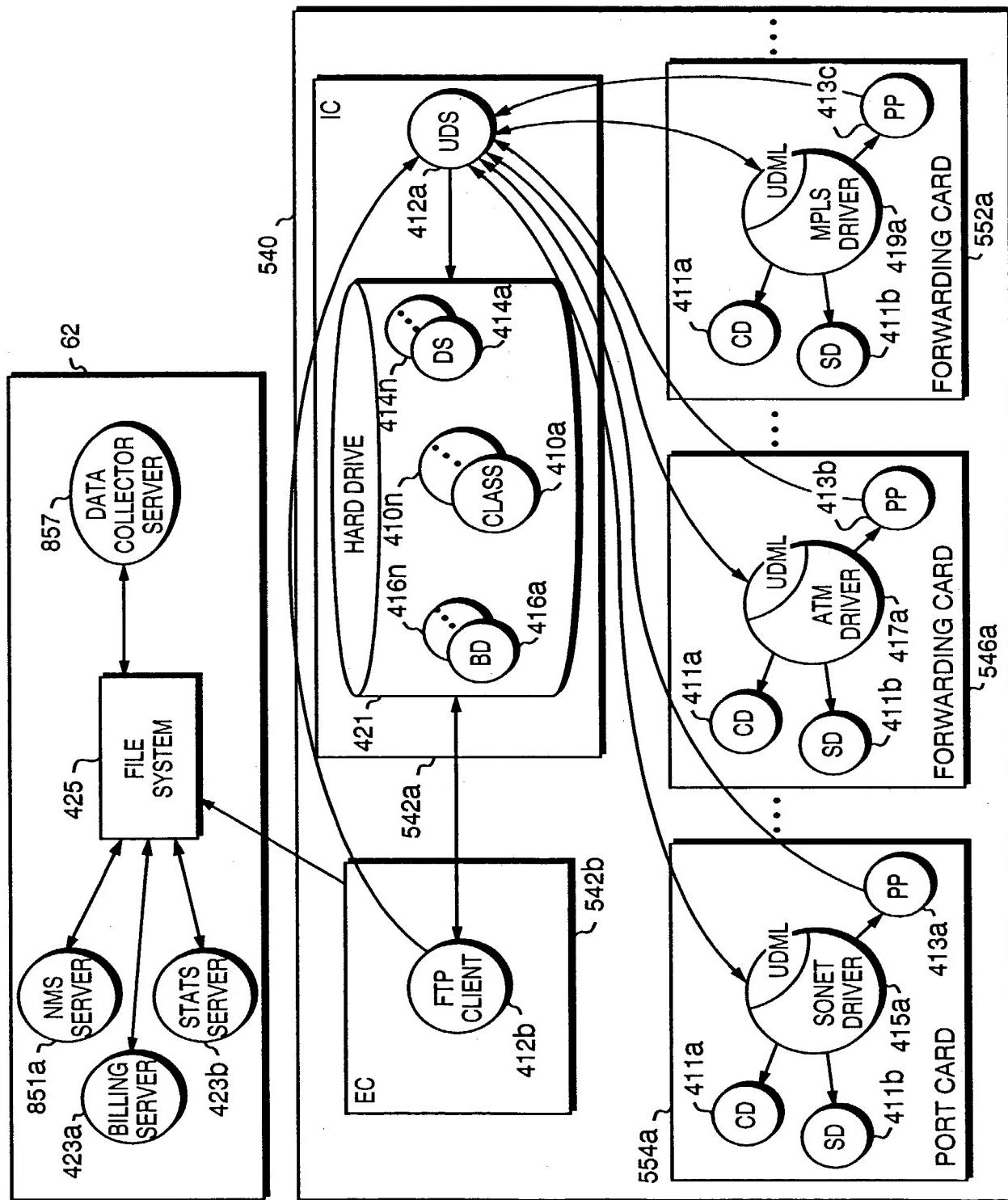


FIG. 13D

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SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	•	•
	•	•
	•	•

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98	102	104
	LID	PRIMARY PID	BACK-UP PID
106	30	500	513
109	31	501	513
	•	•	•
	•	•	•
	•	•	•

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98	102	104
	LID	PRIMARY PID	BACK-UP PID
107	40	1500	1600
	•	•	•
	•	•	•
	•	•	•

FIG. 14C

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ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
•	•	•	•
•	•	•	•
•	•	•	•
12	3	10	
•	•	•	•
•	•	•	•

FIG. 14E

SOFTWARE LOAD RECORD 128a

130 ~	CONTROL SHIM	LID	132 ~
134 ~	atm-cntl.exe	30	

FIG. 14F

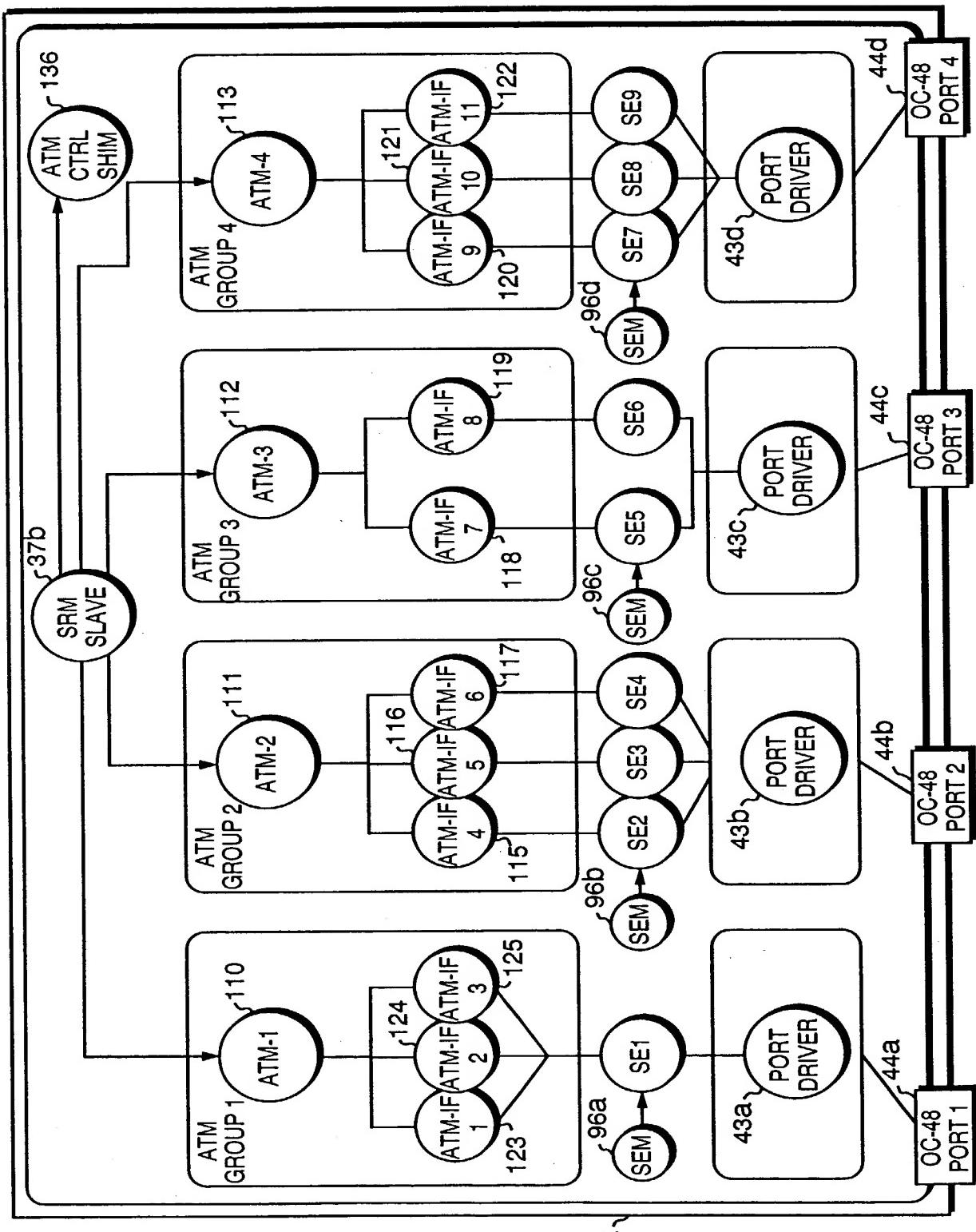


FIG. 15

16a

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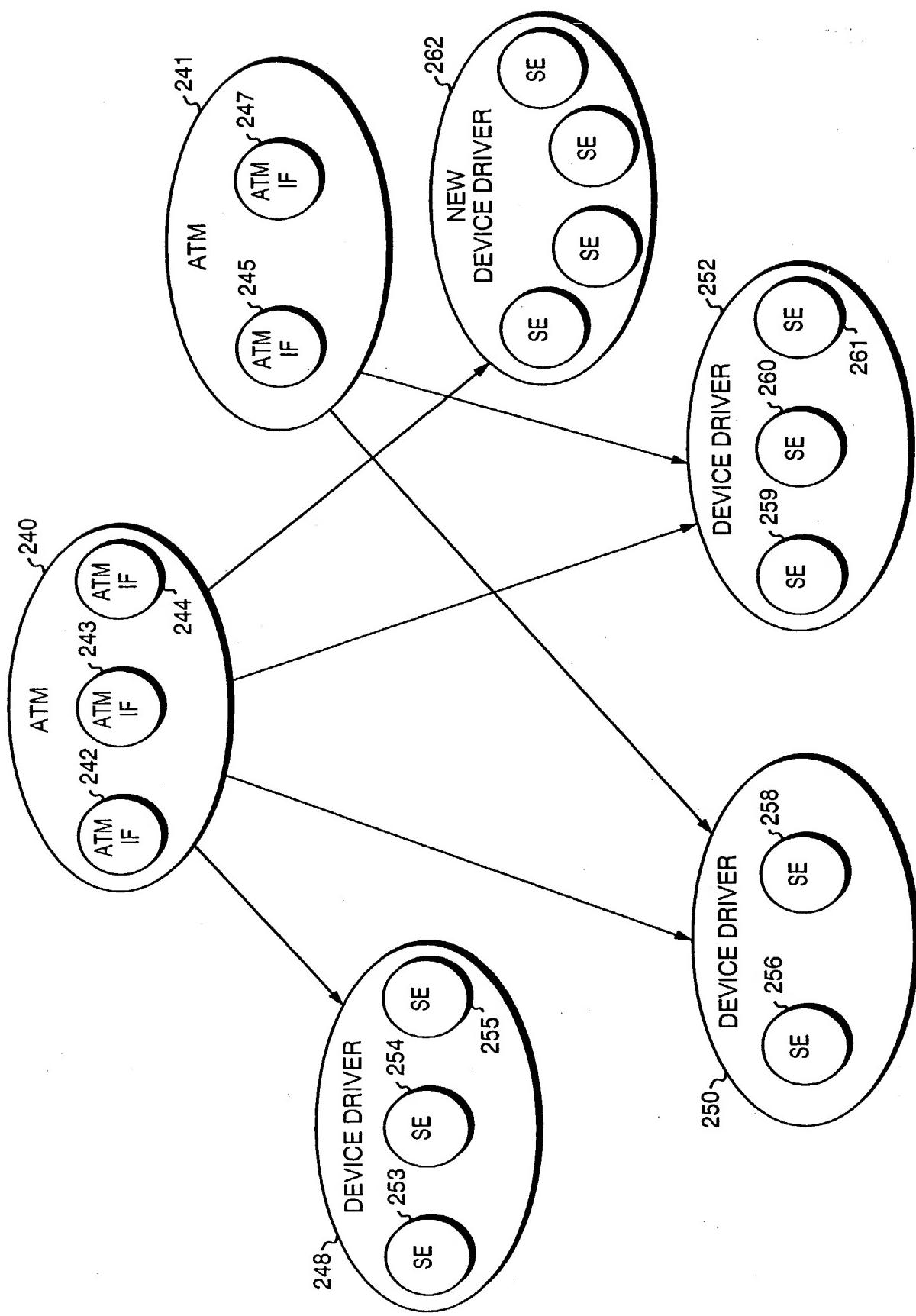


FIG. 16A

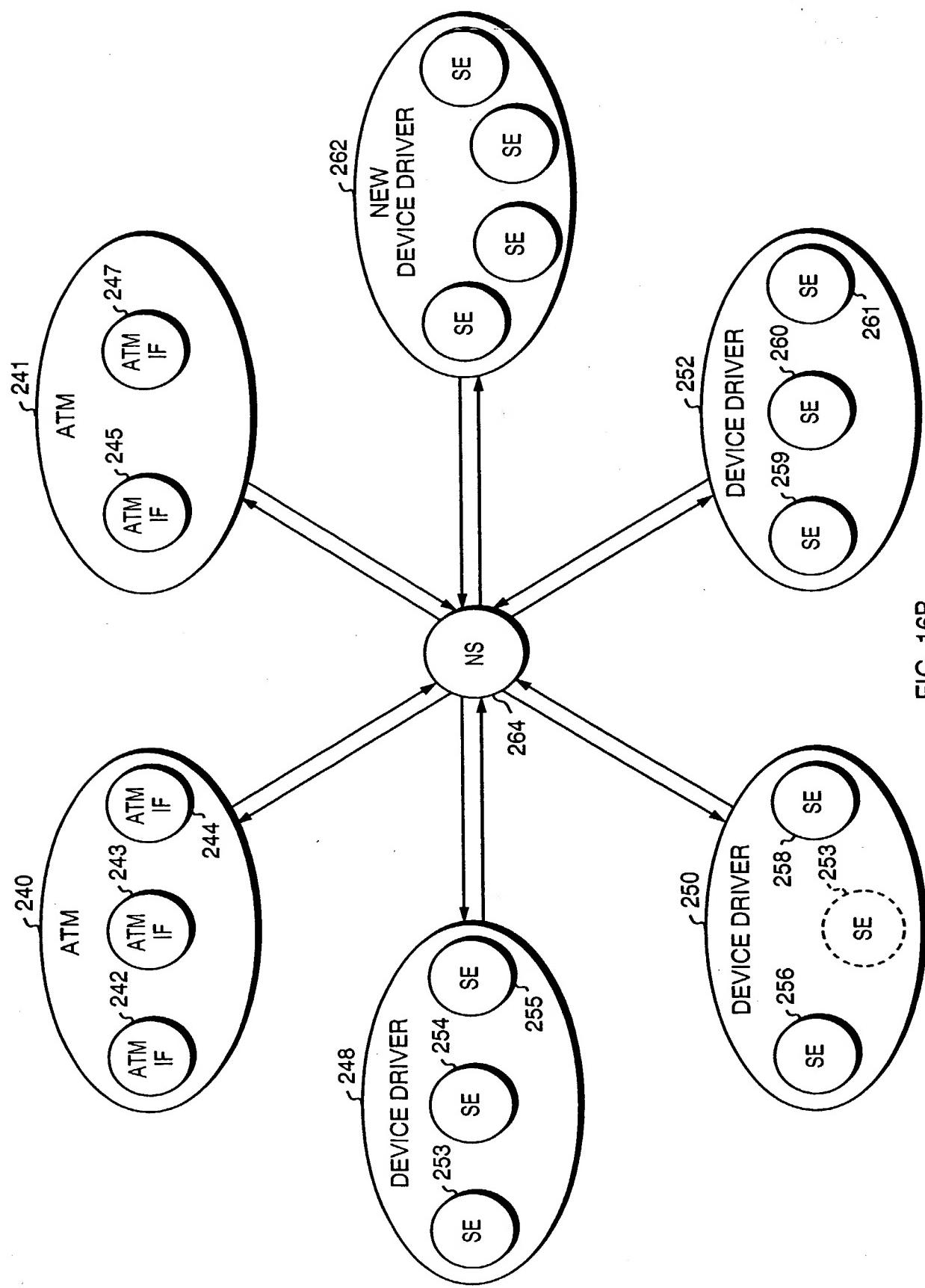


FIG. 16B

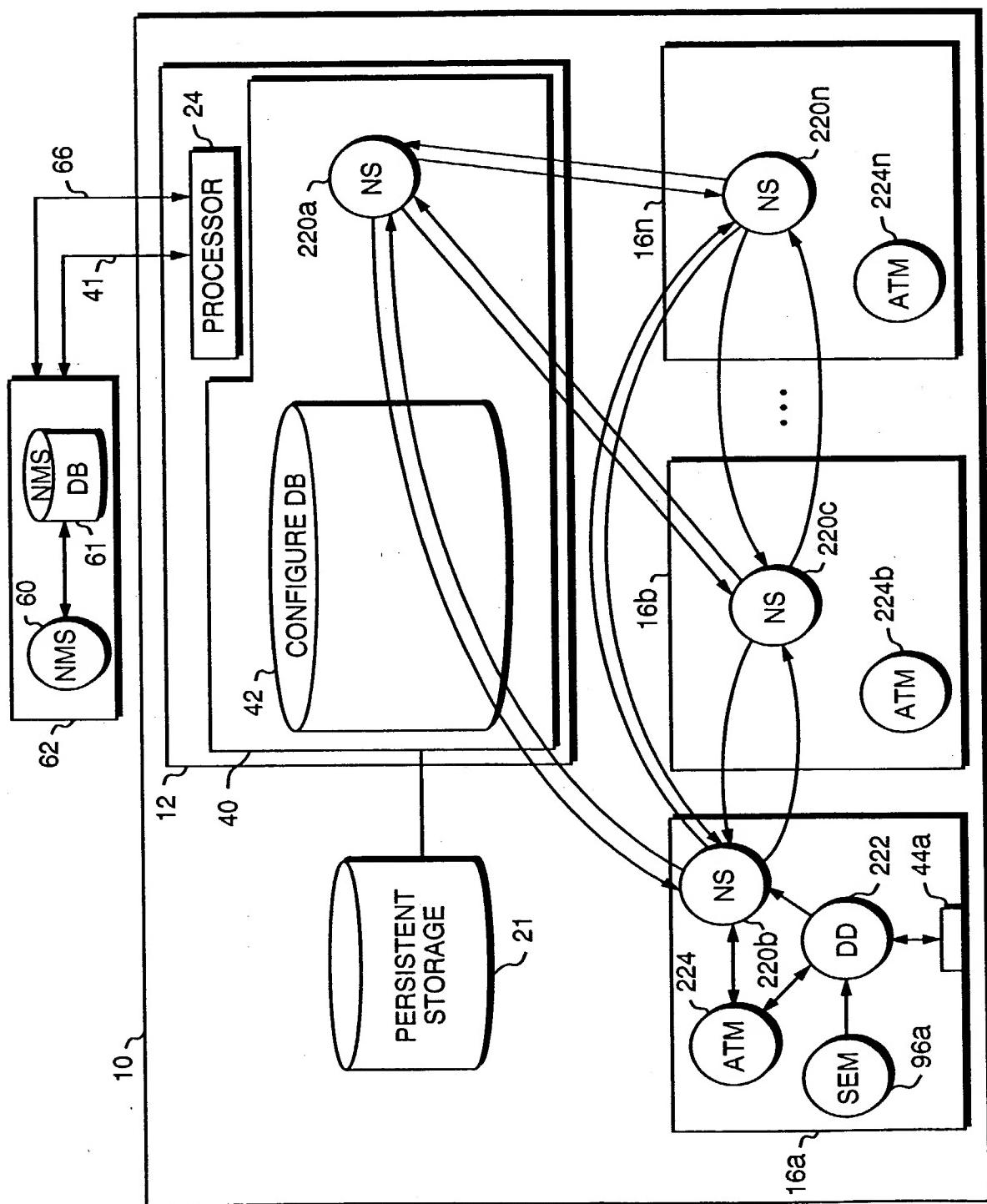


FIG. 16C

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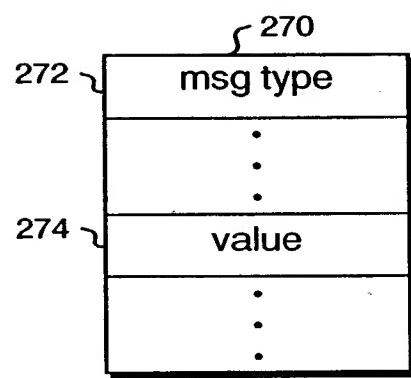


FIG. 16D

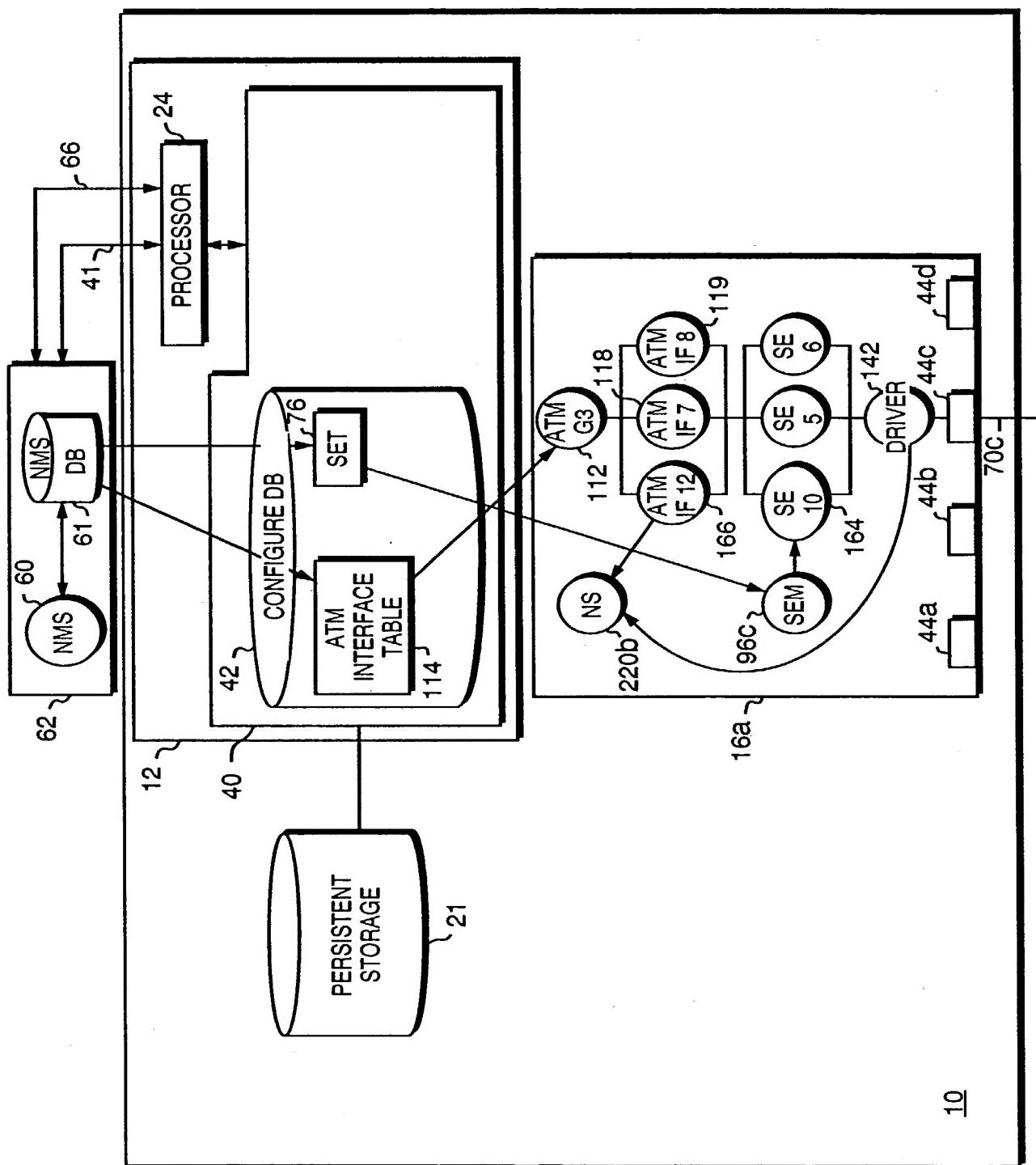
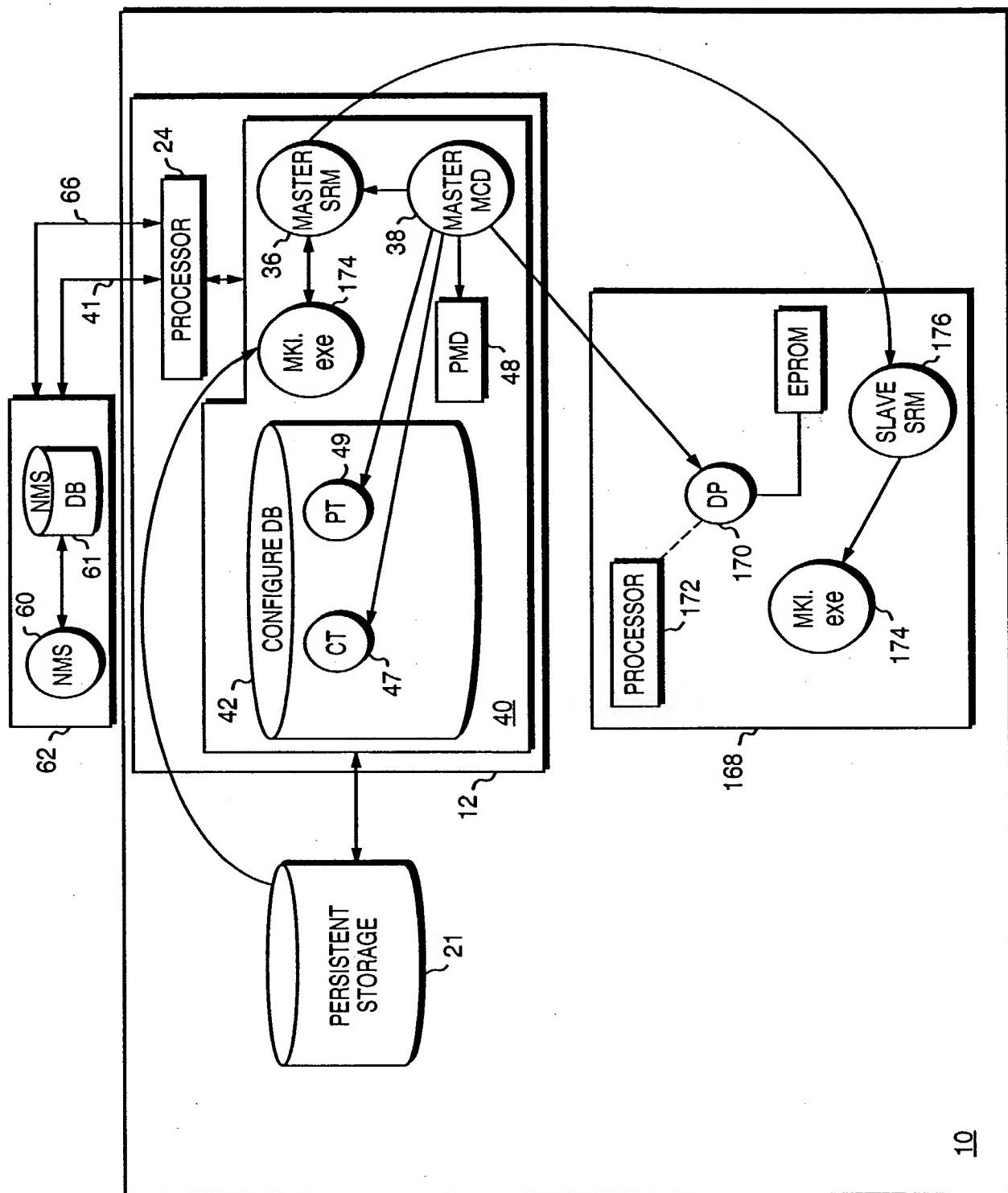


FIG. 17



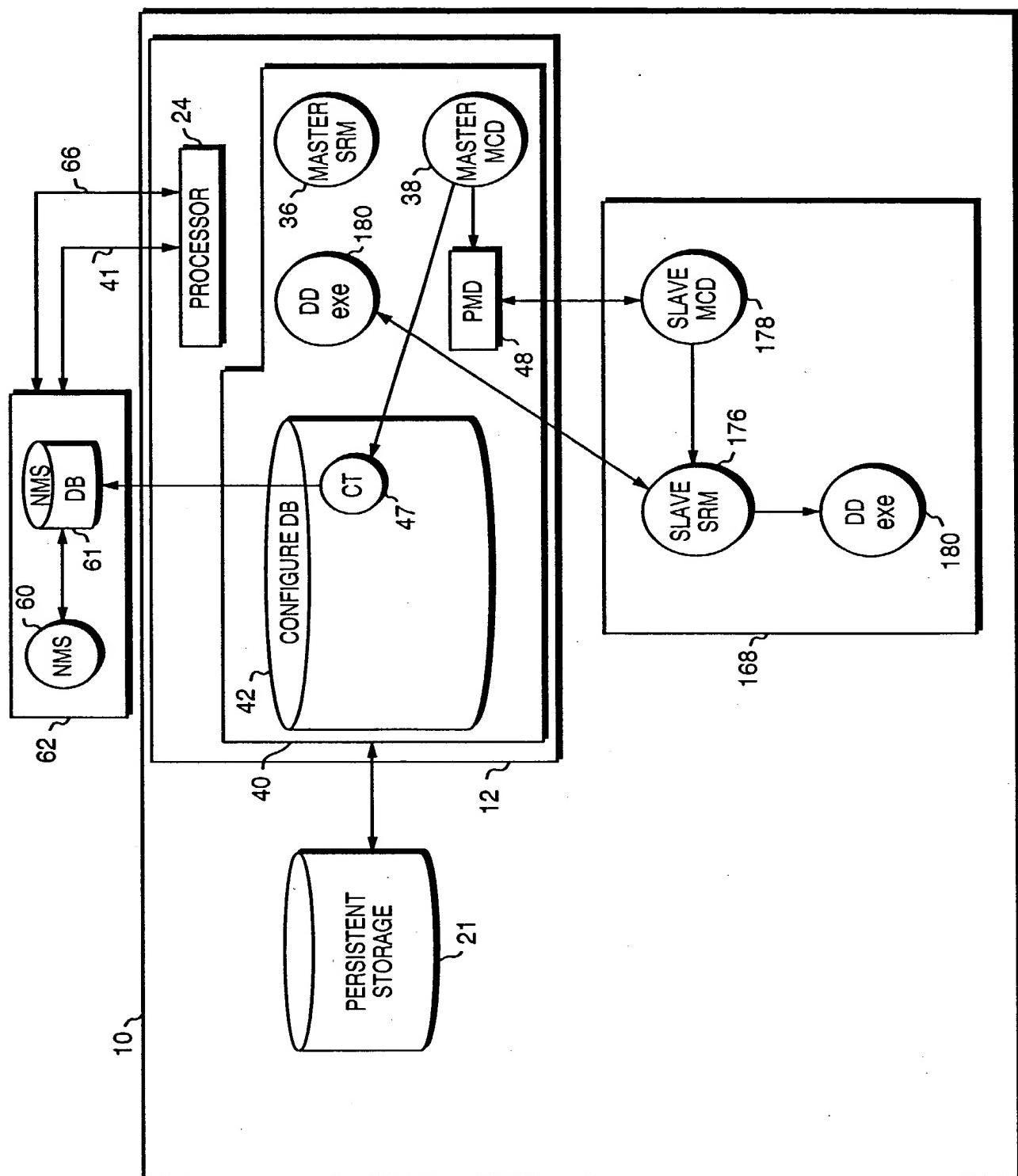


FIG. 19

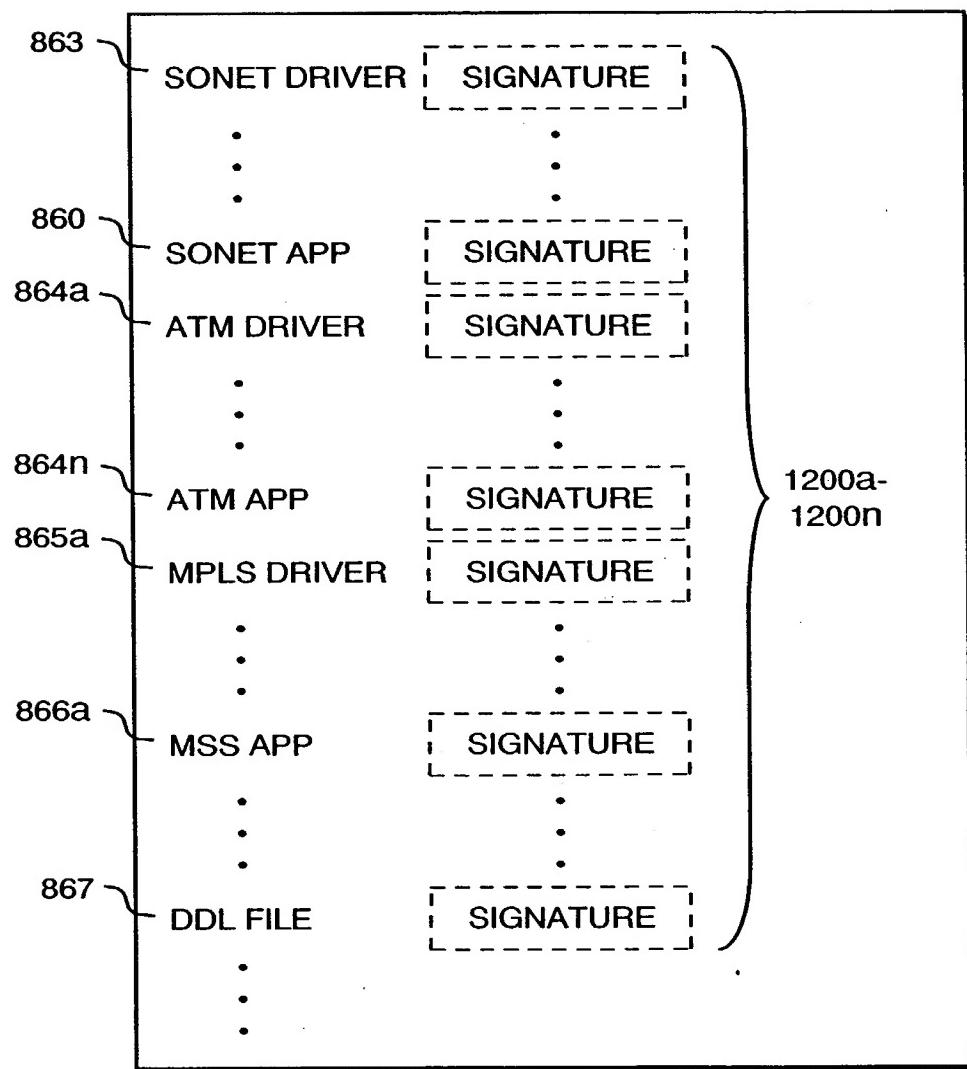
PACKAGING LIST 1200

FIG. 20A

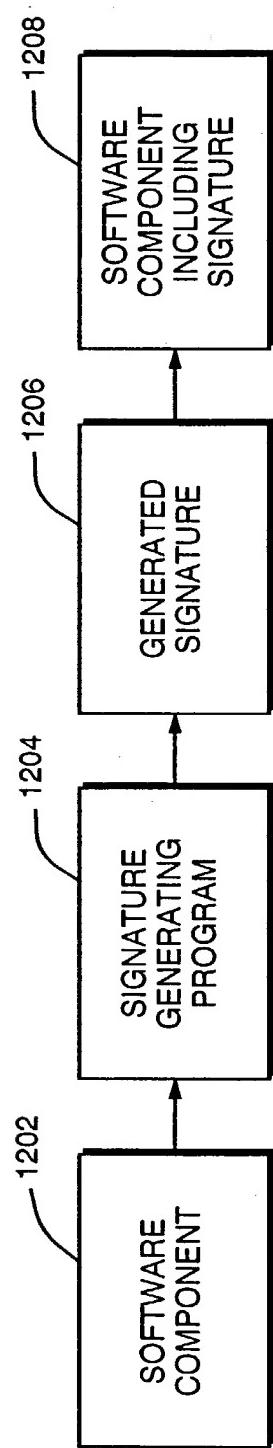


FIG. 20B

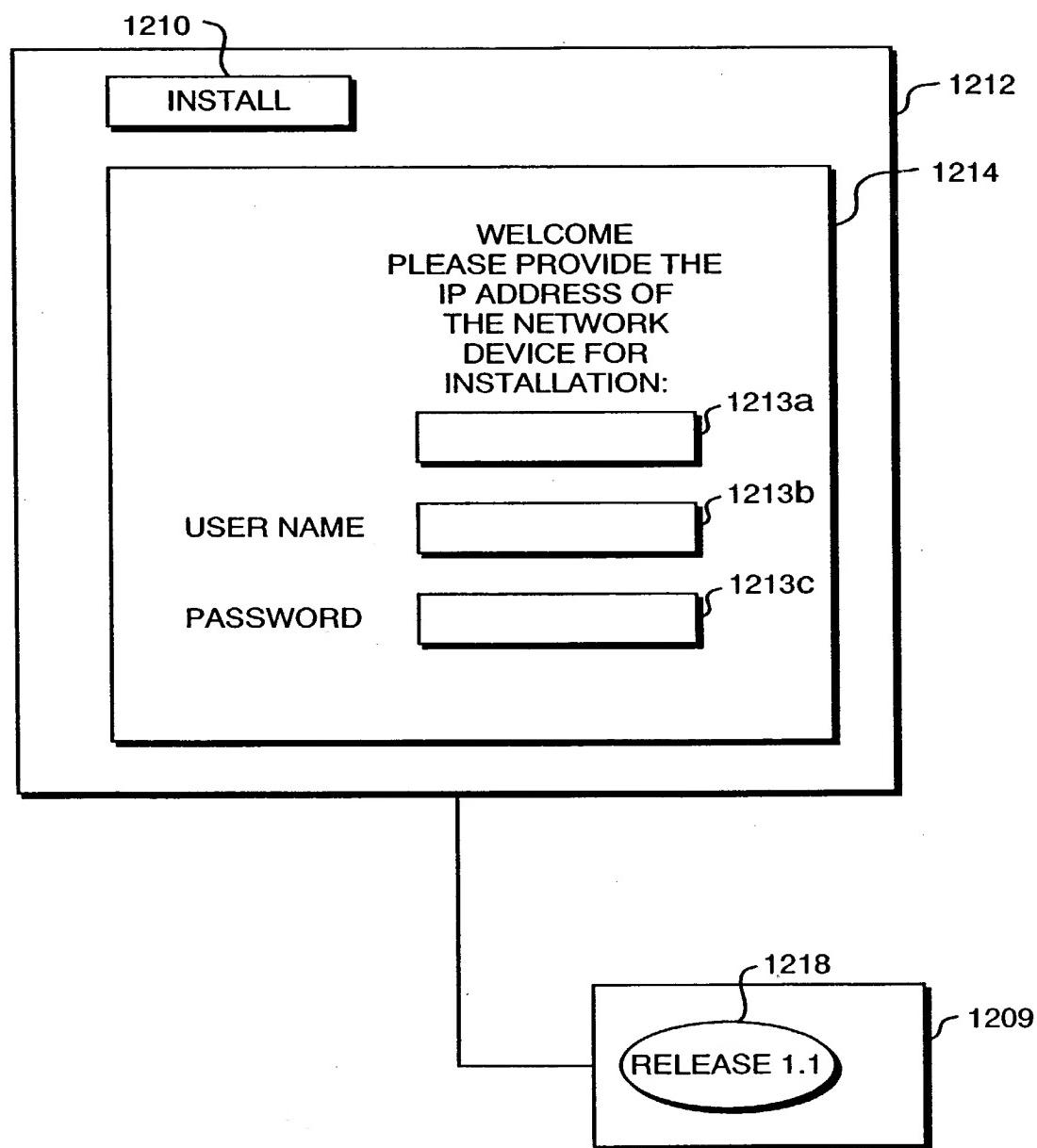


FIG. 20C

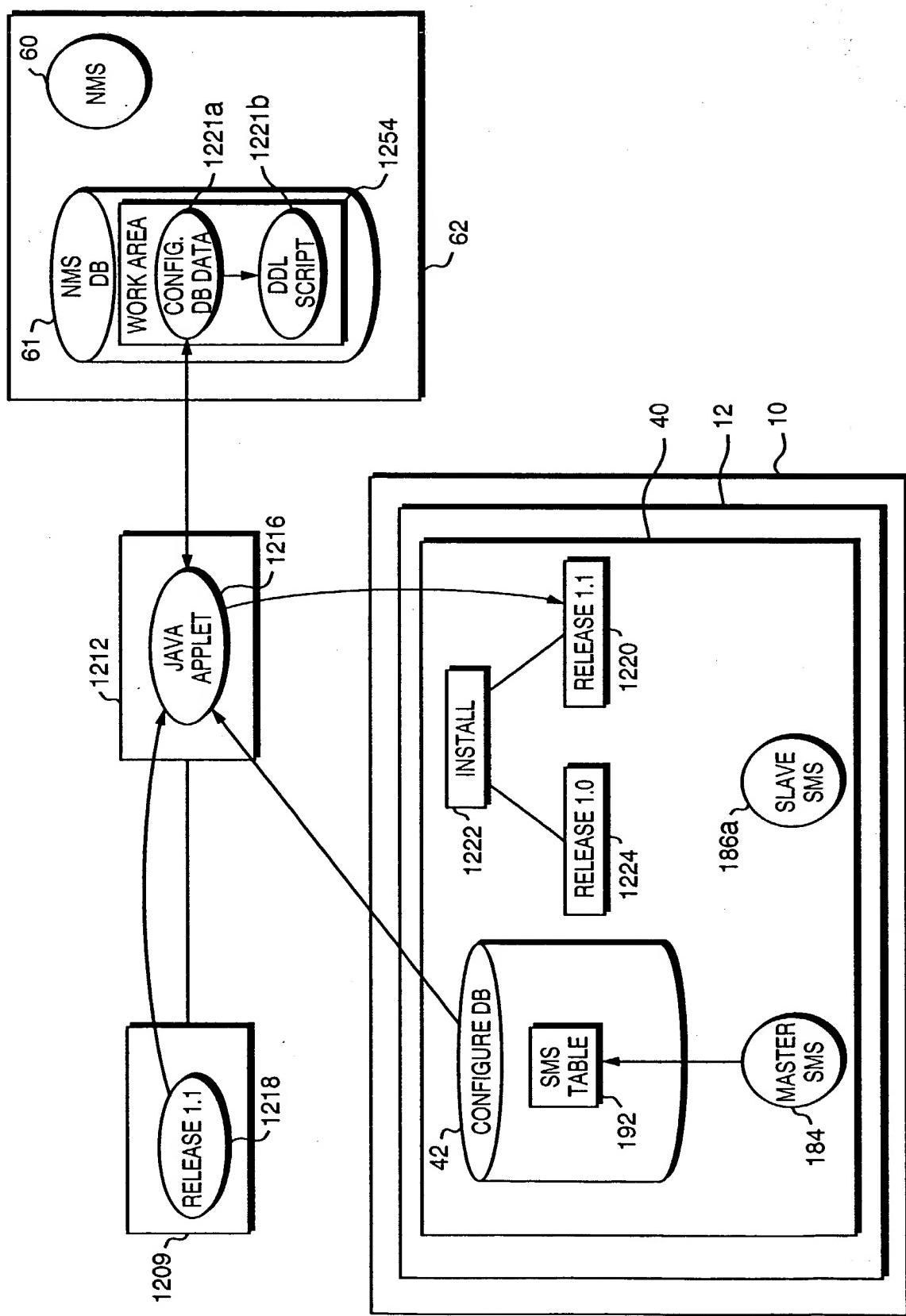


FIG. 20D

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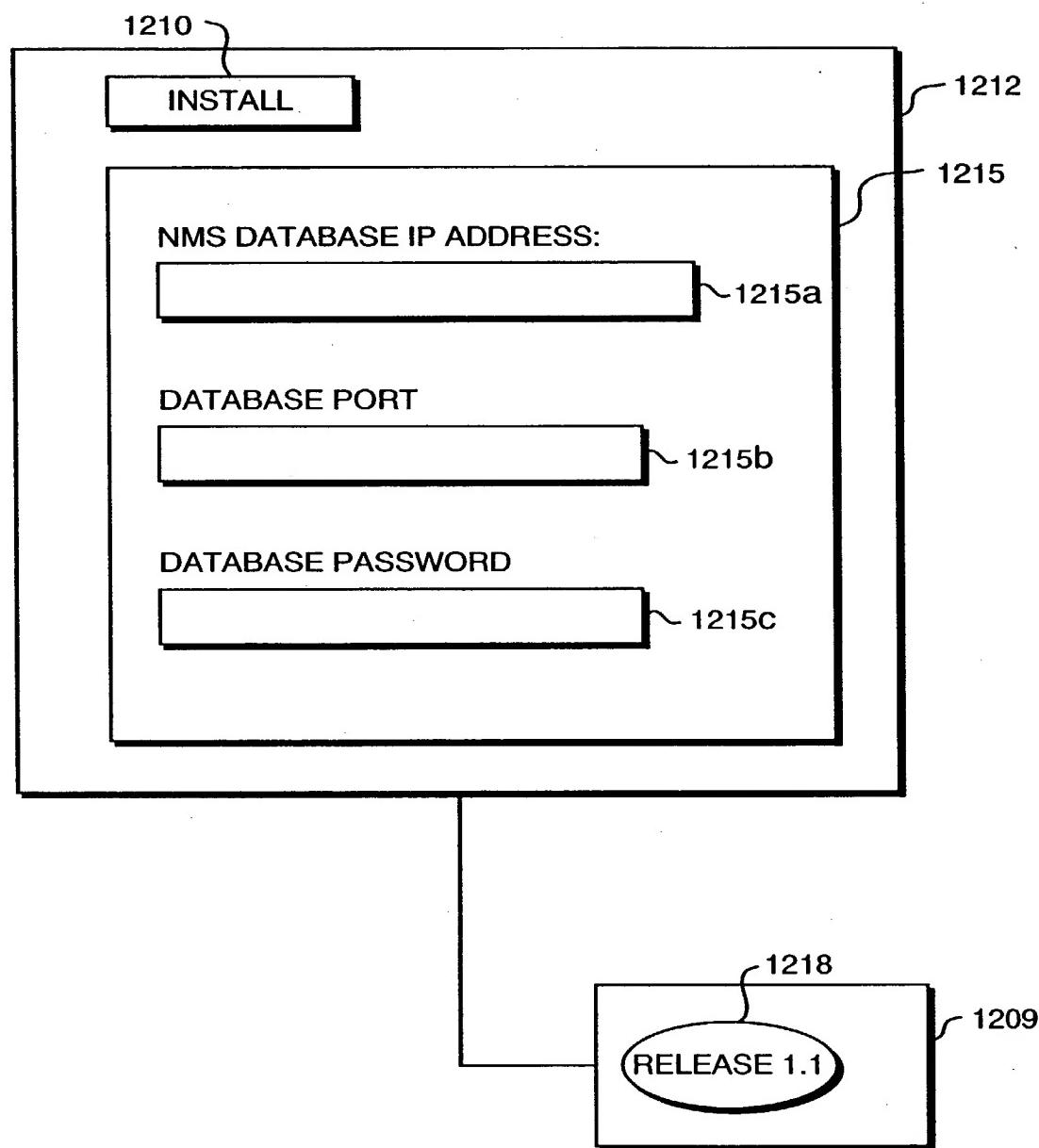


FIG. 20E

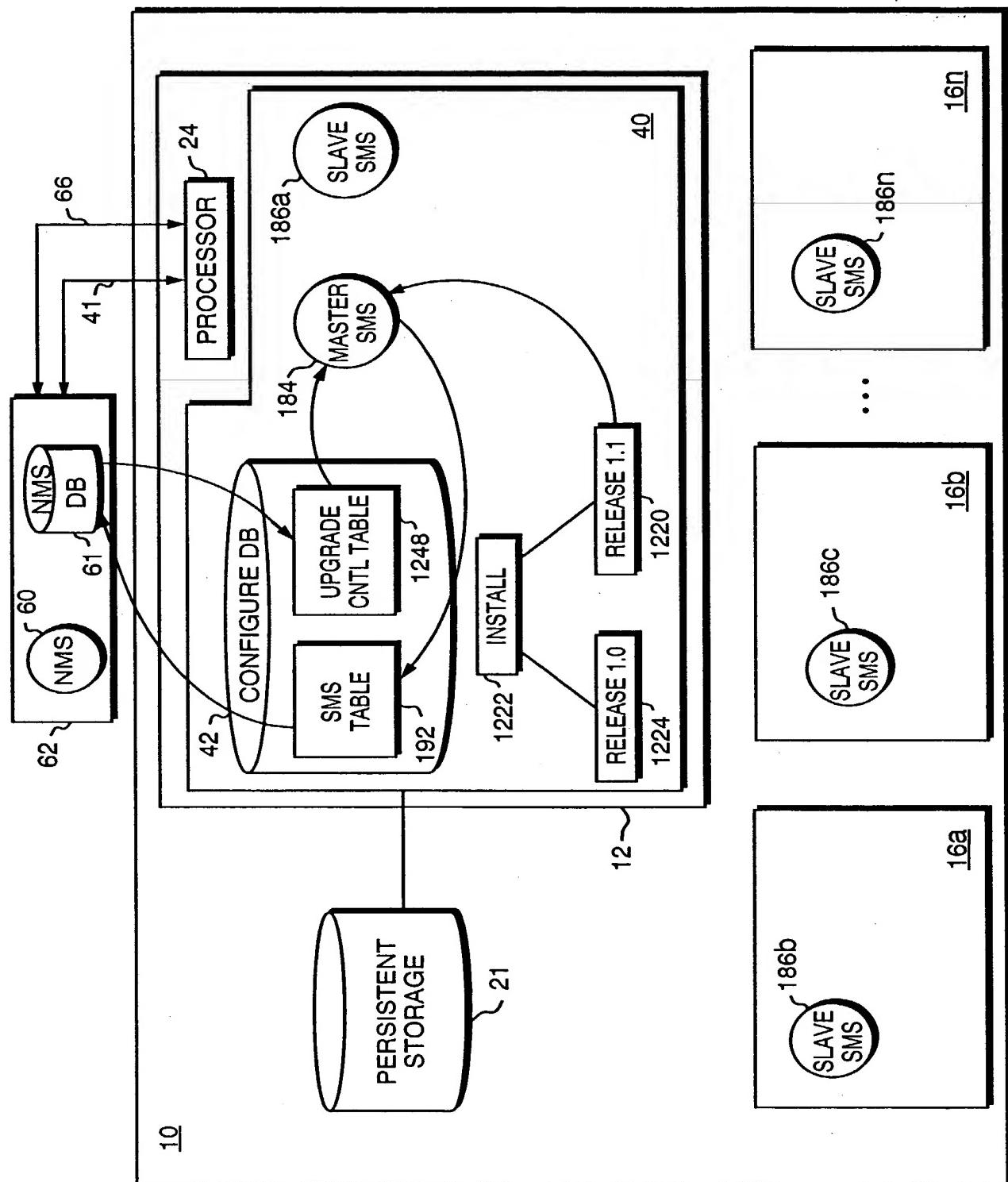


FIG. 21A

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SMS TABLE 192

	1226	1228	1230	
1227	IMAGE LID	VERIFICATION STATUS	UPGRADE MODES	...
	9623	PASSED	x2348	...
	*	*	*	*
	*	*	*	*
	*	*	*	*

FIG. 21B

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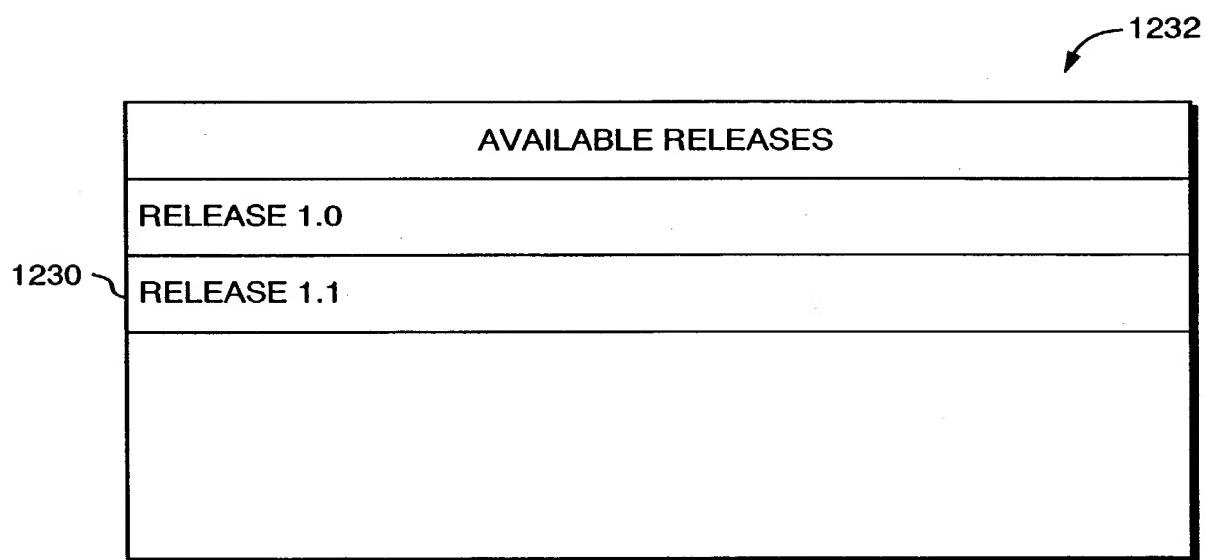


FIG. 21C

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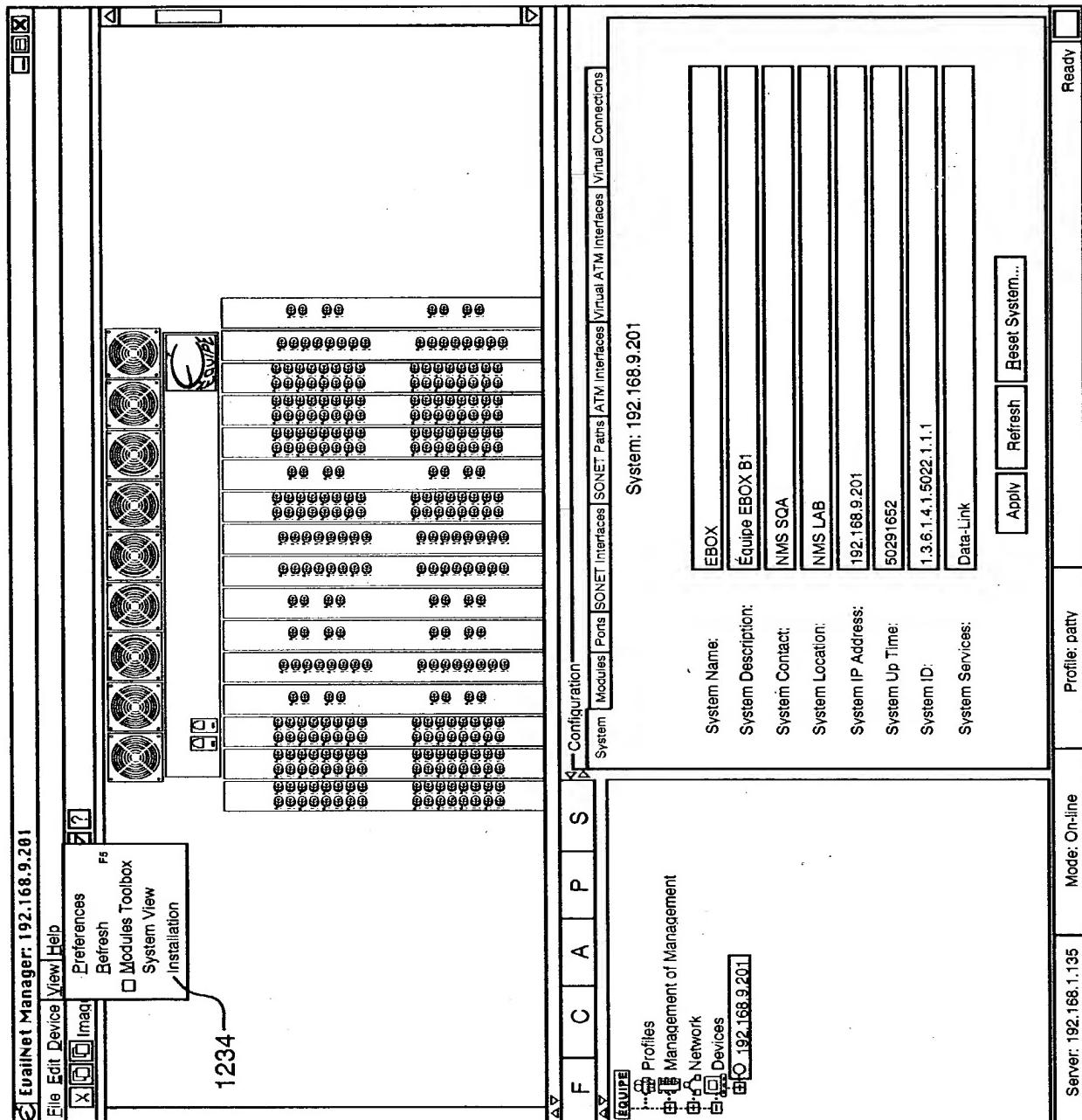


FIG. 21D

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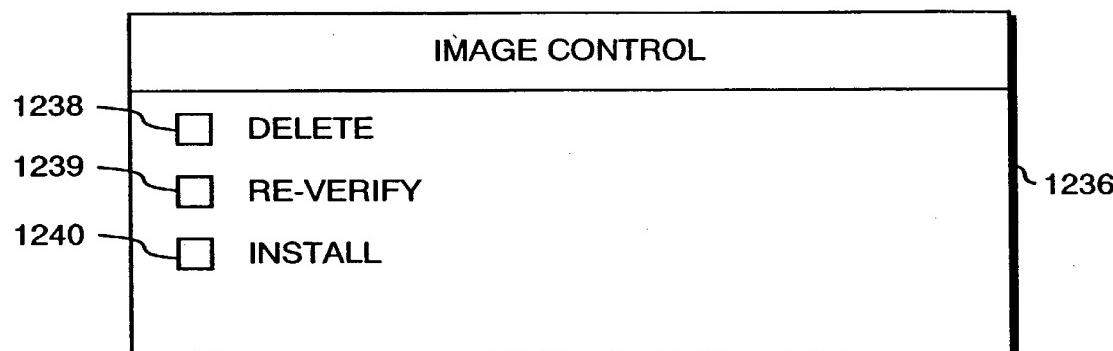


FIG. 21E

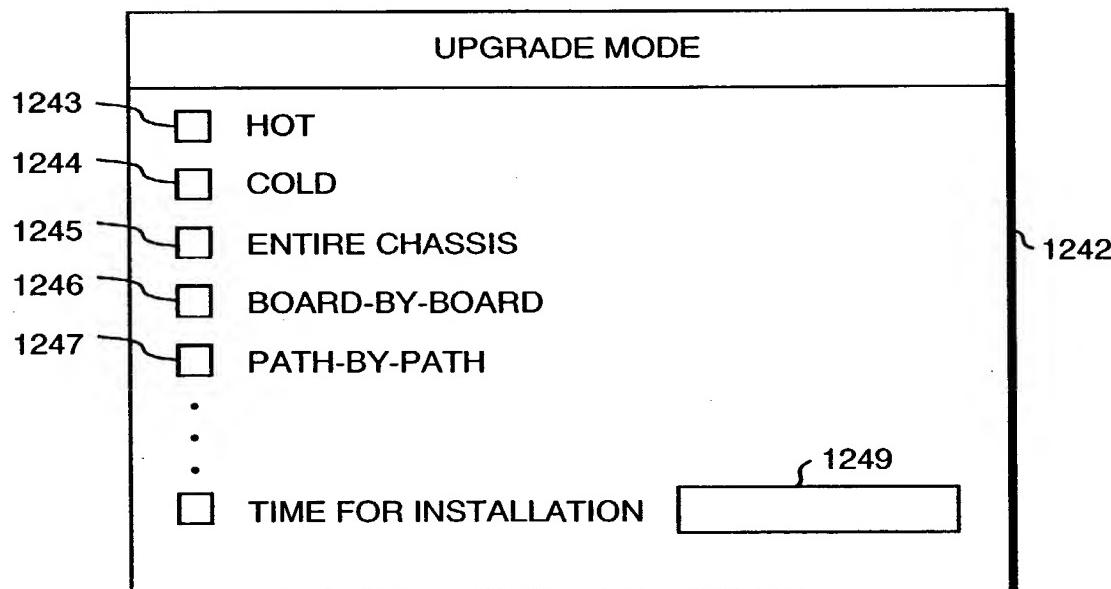


FIG. 21F

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102689-85 102689-85 102689-85 102689-85

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UPGRADE CONTROL TABLE 1248

	IMAGE LID	COMMAND	TIME FOR INSTALLATION	STATUS	...
1250	9623	X2344			...
1251	•	•	•	•	•
	•	•	•	•	•
	•	•	•	•	•

FIG. 21G

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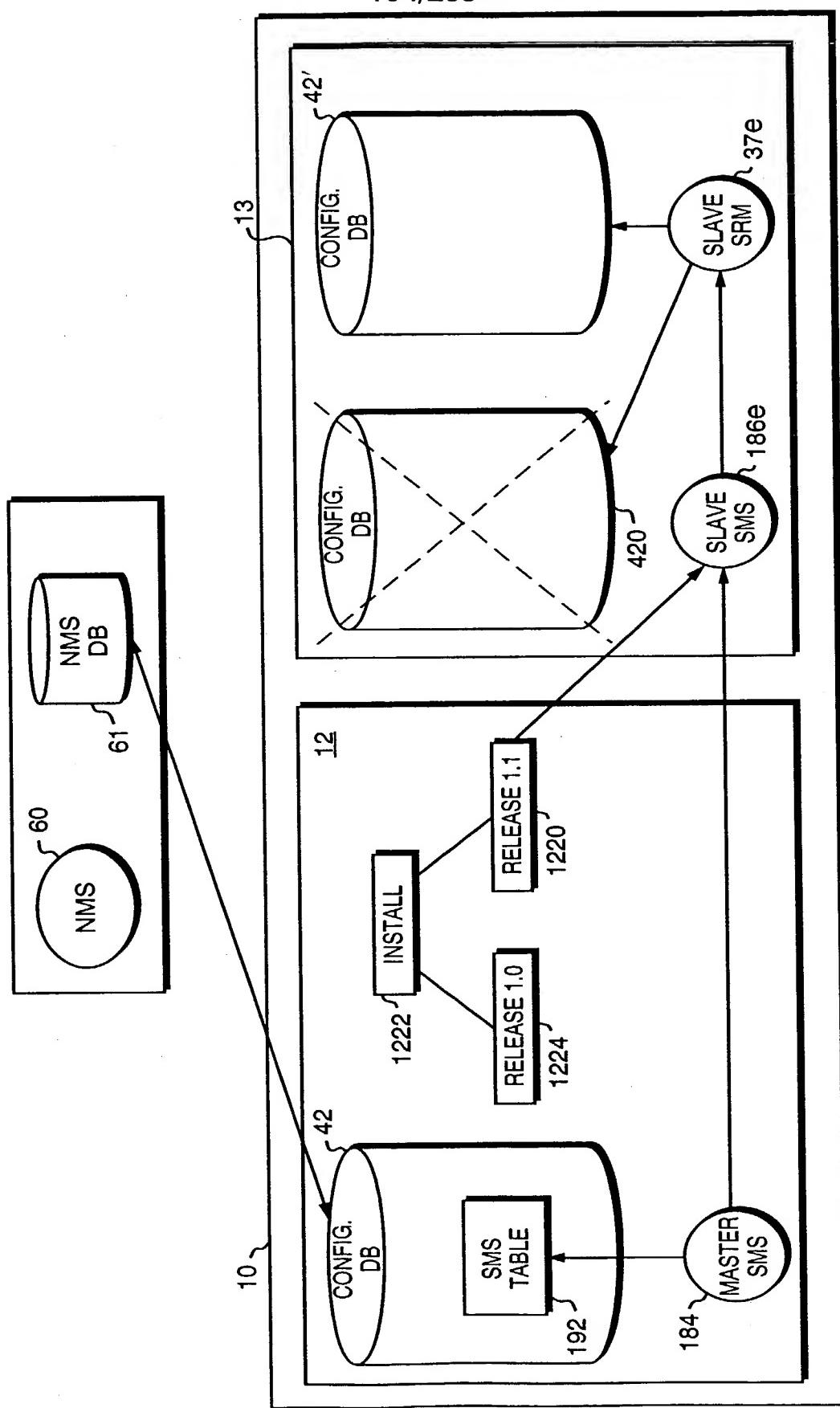
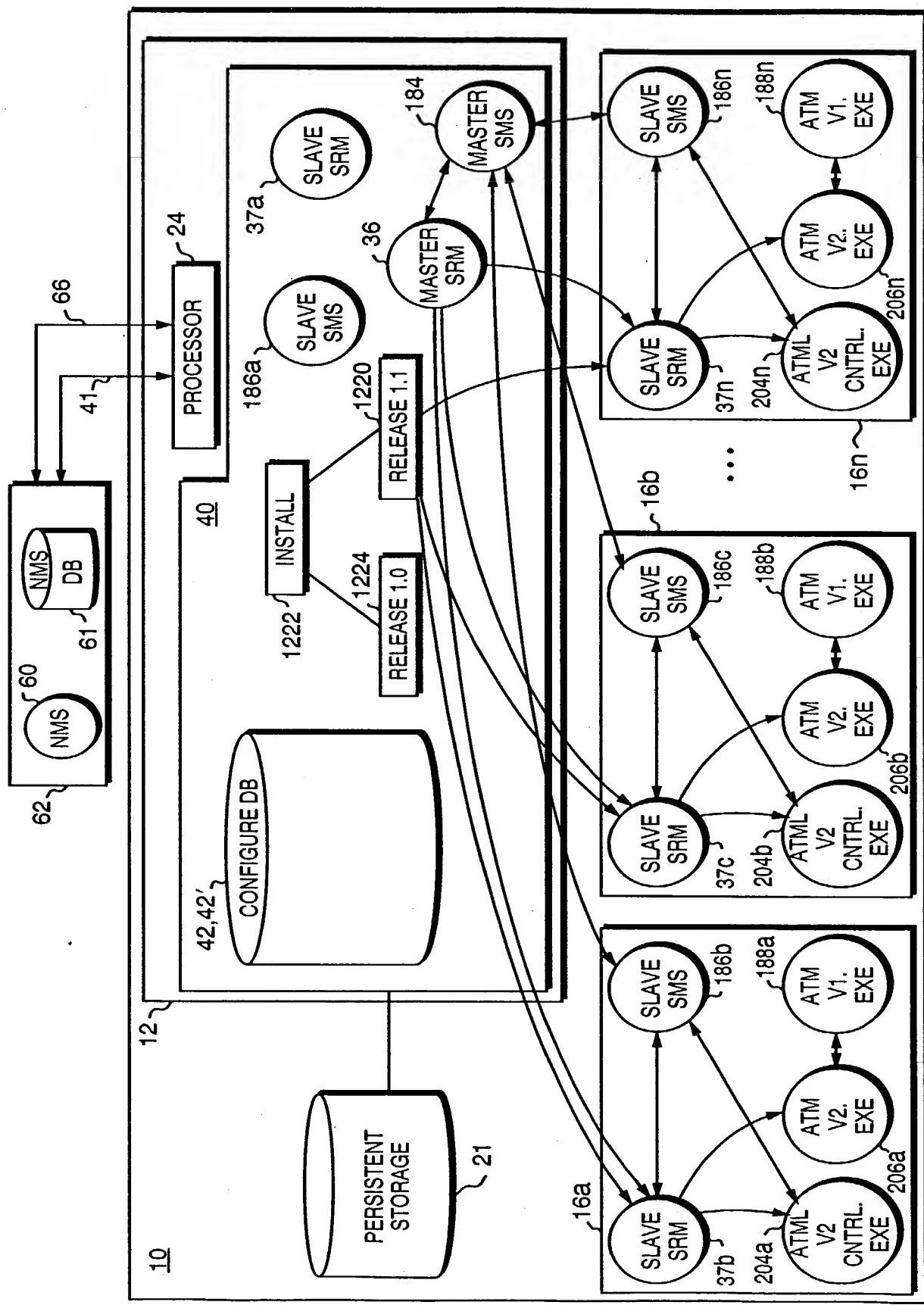


FIG. 22



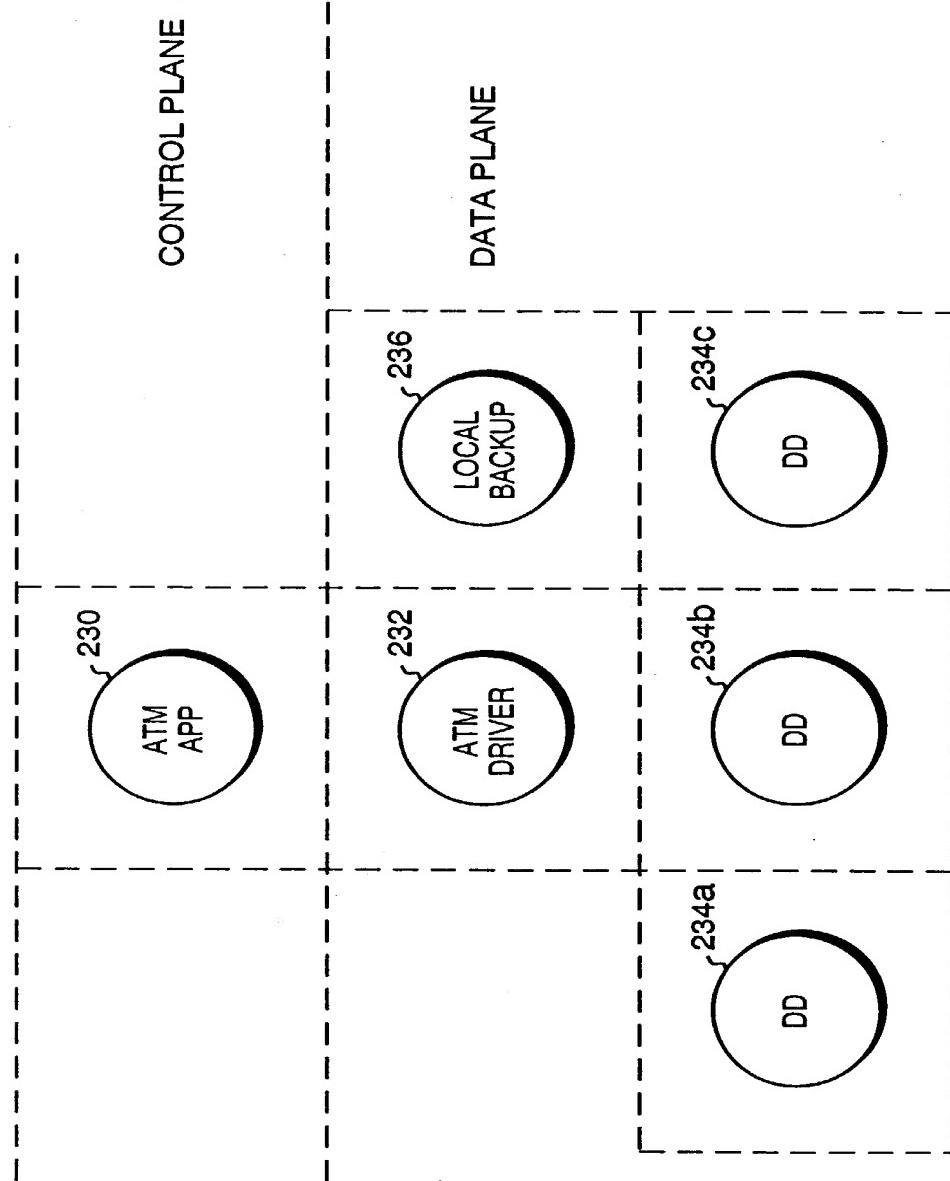


FIG. 24

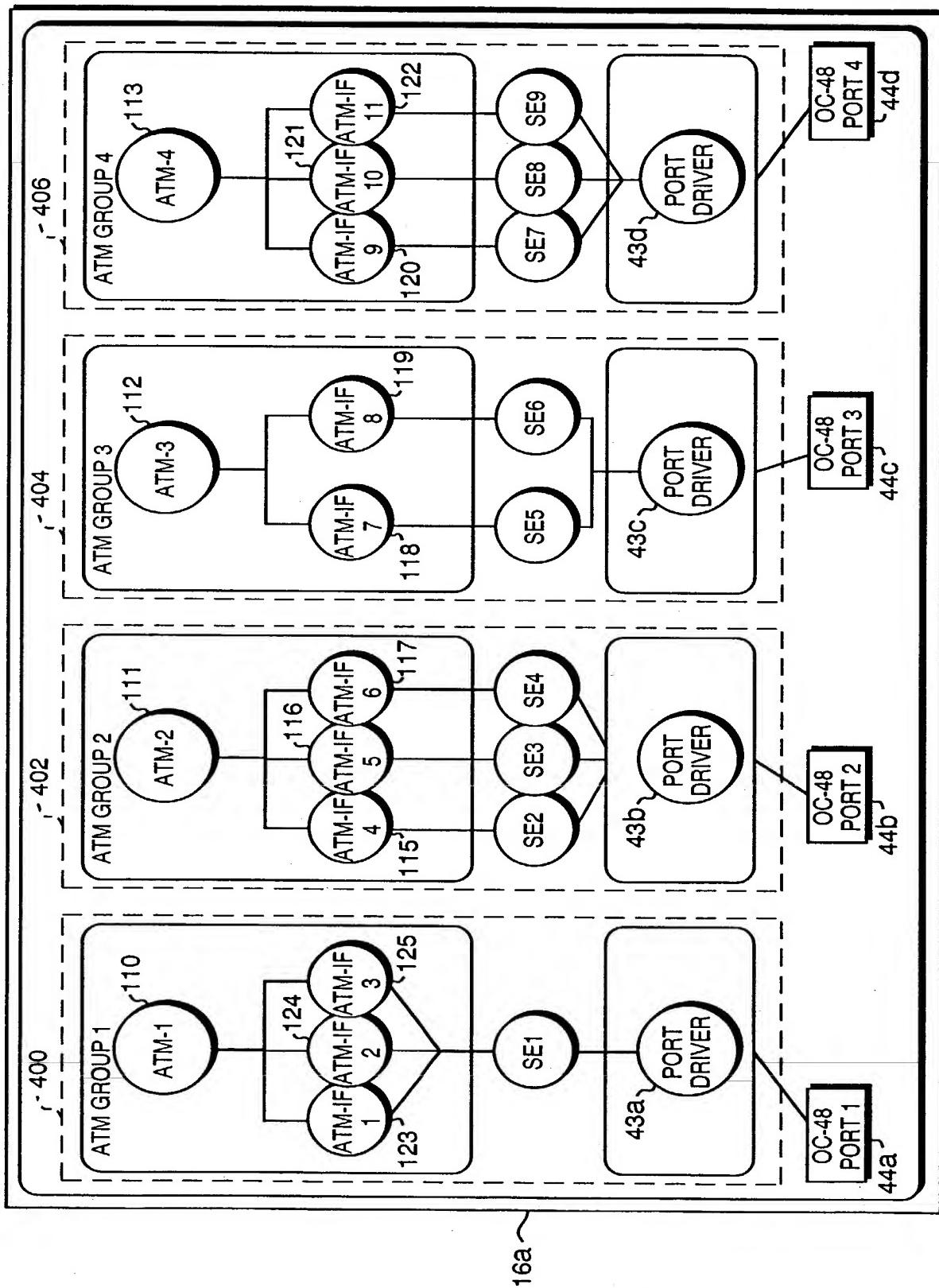


FIG. 25

16a ~

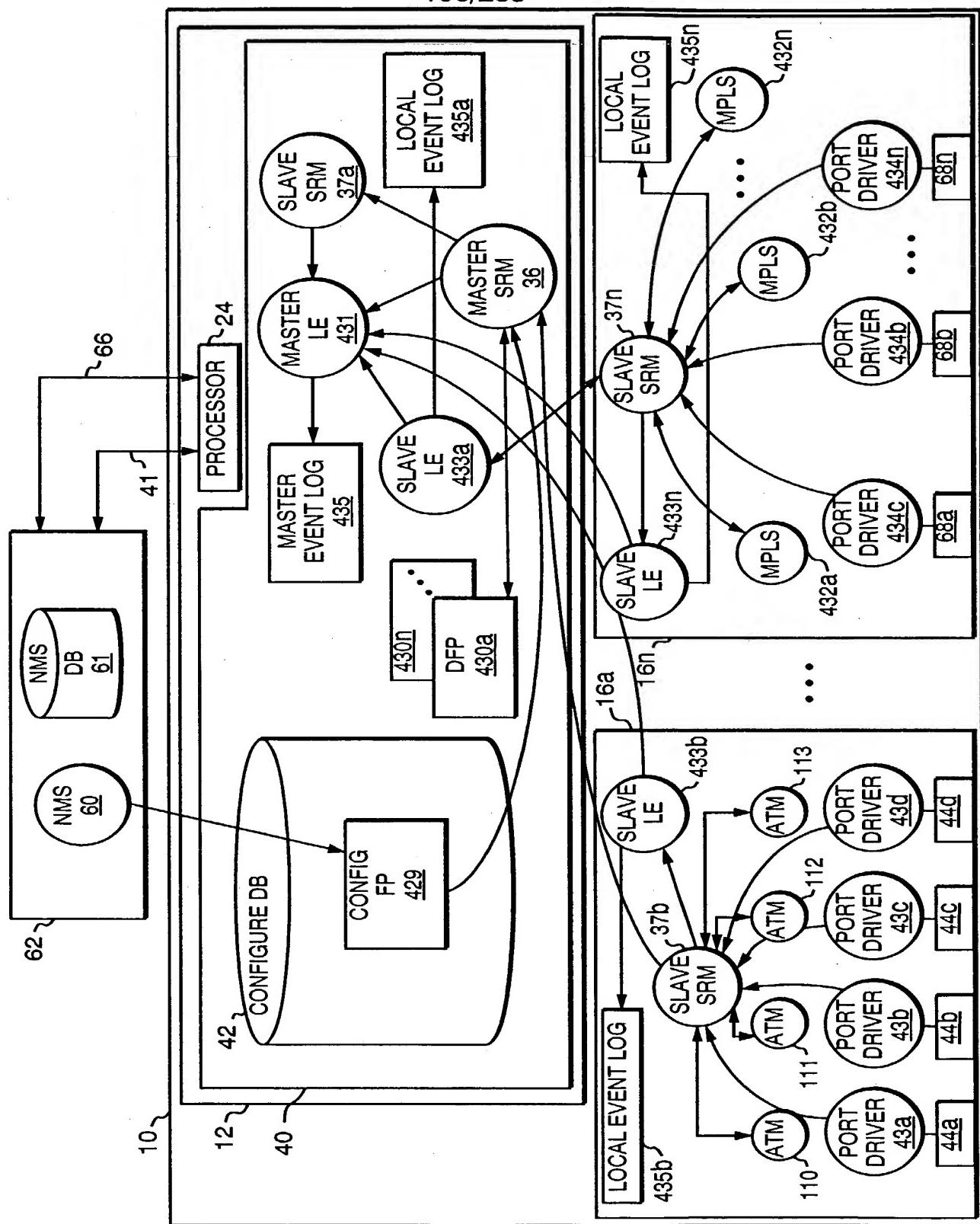


FIG. 26

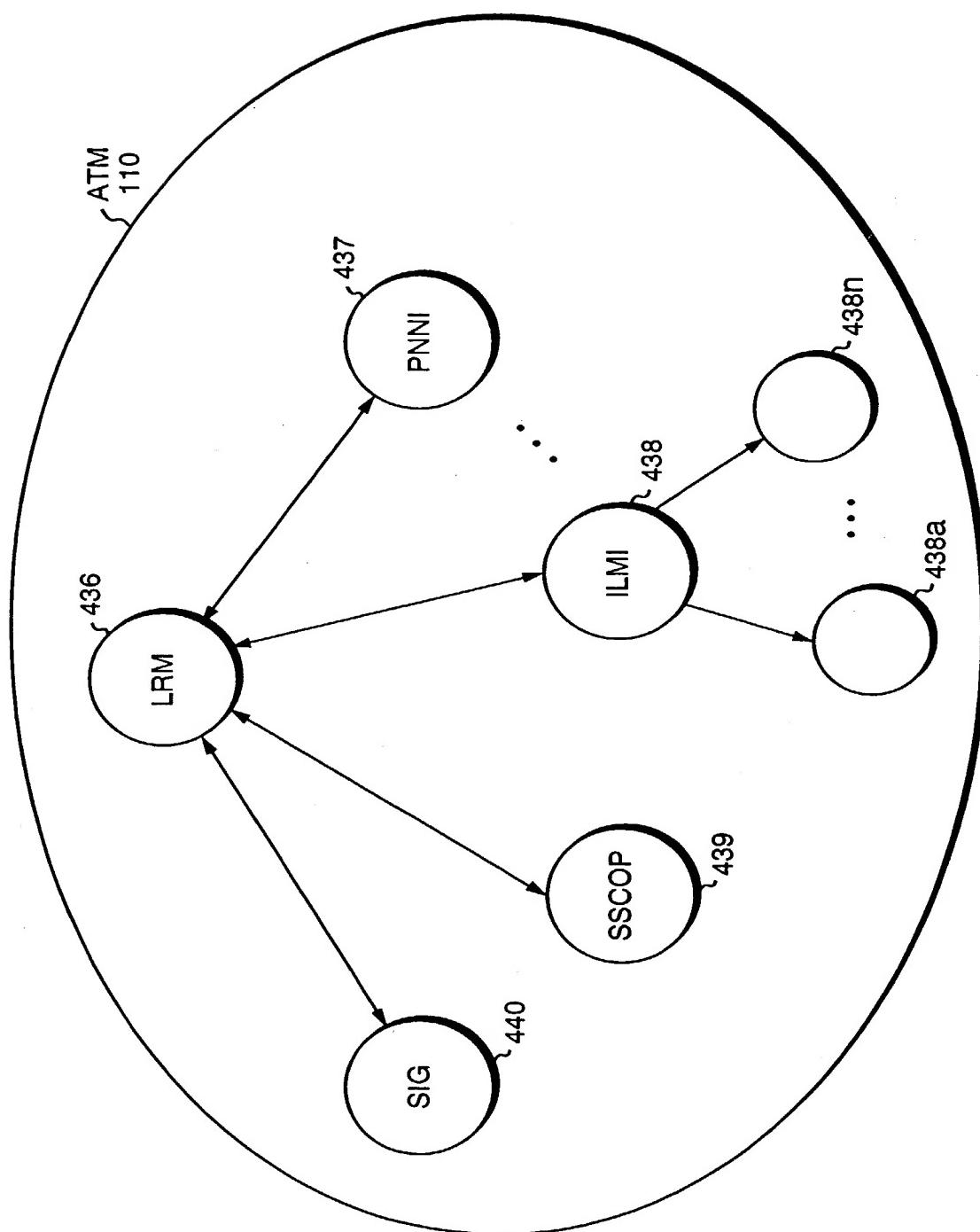


FIG. 27

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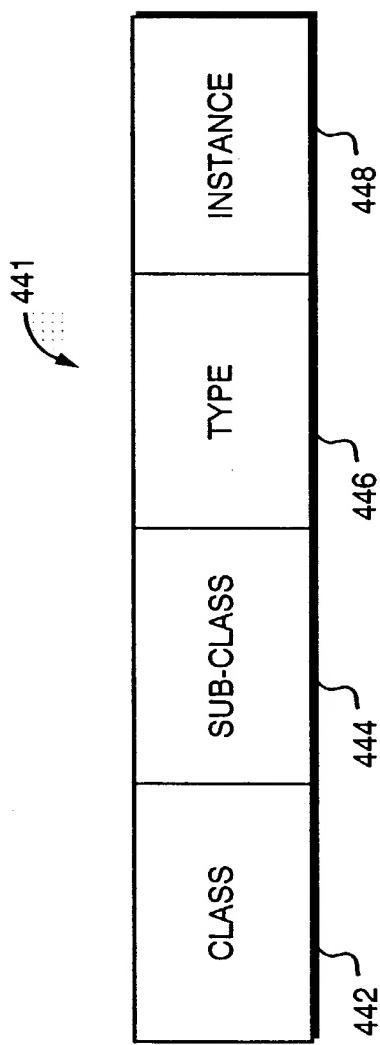


FIG. 28

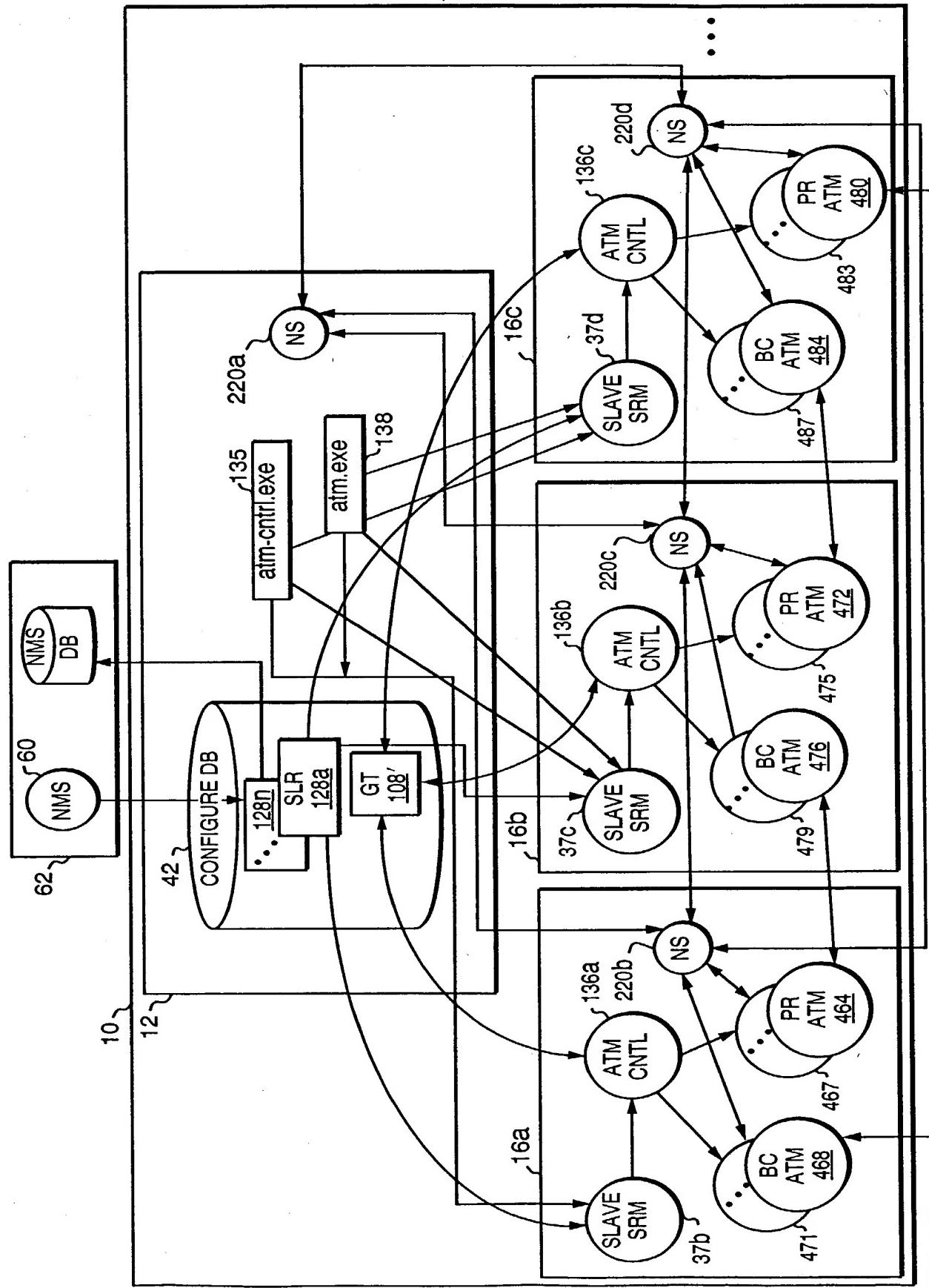


FIG. 29

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GROUP TABLE 108'

	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	⋮	⋮	⋮	⋮

FIG. 30

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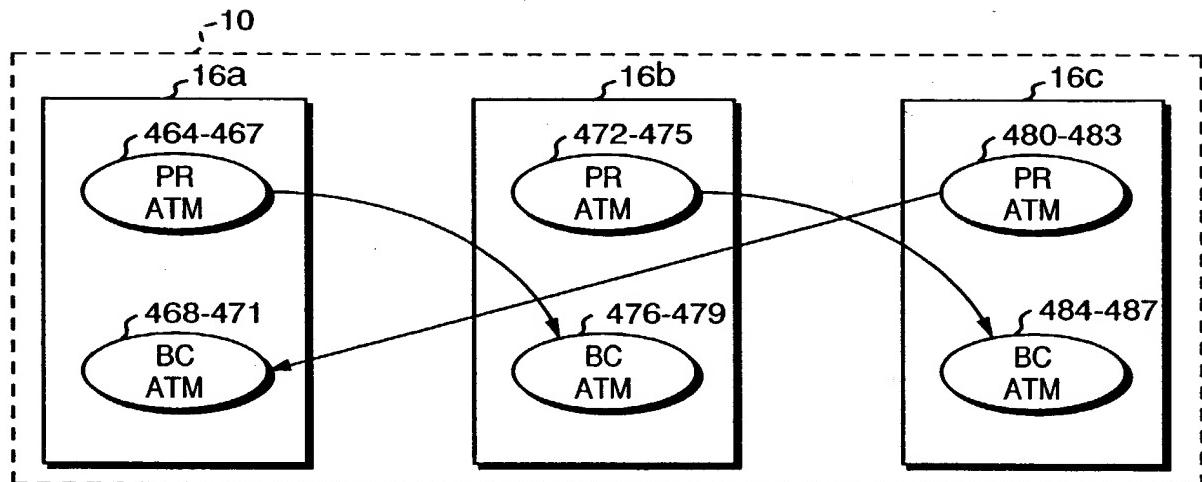


FIG. 31A

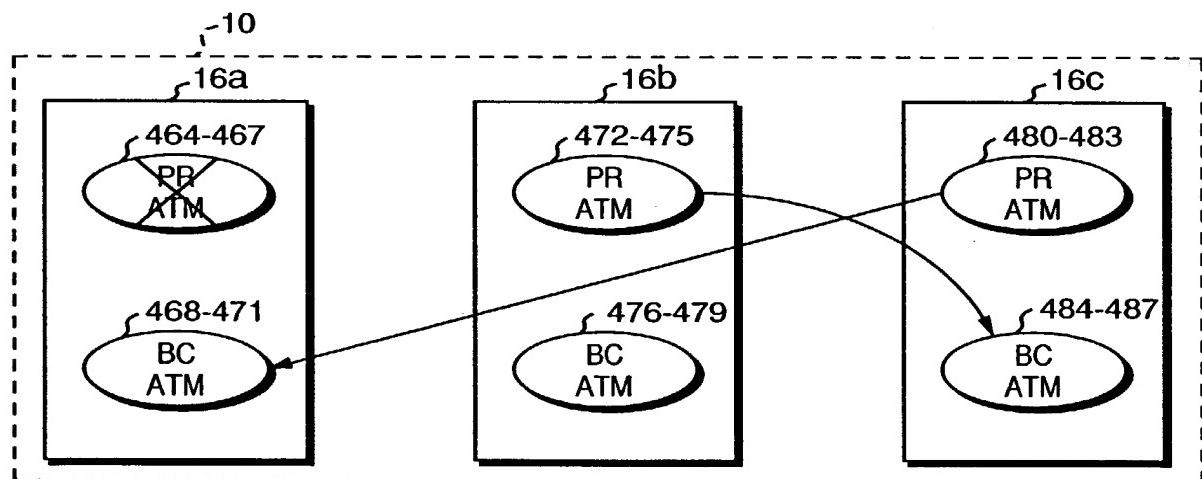


FIG. 31B

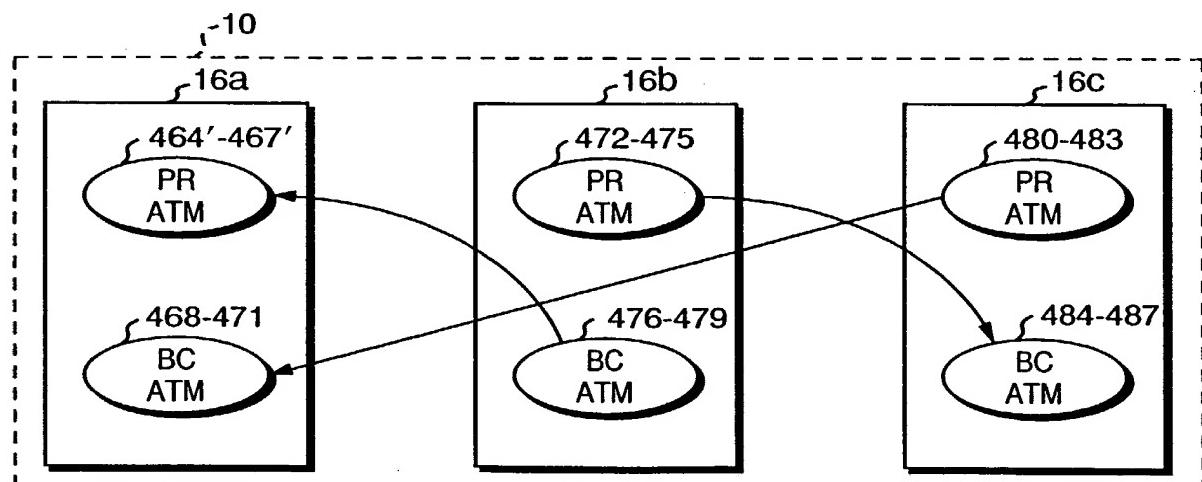


FIG. 31C

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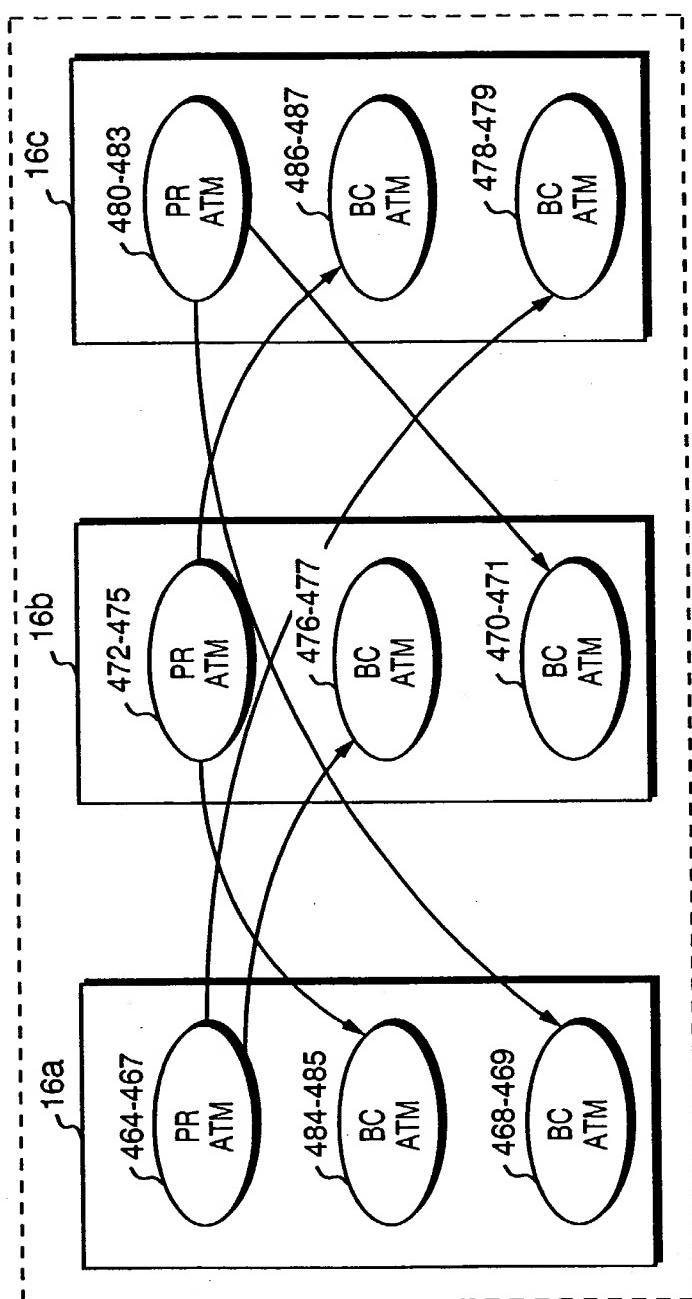


FIG. 32A

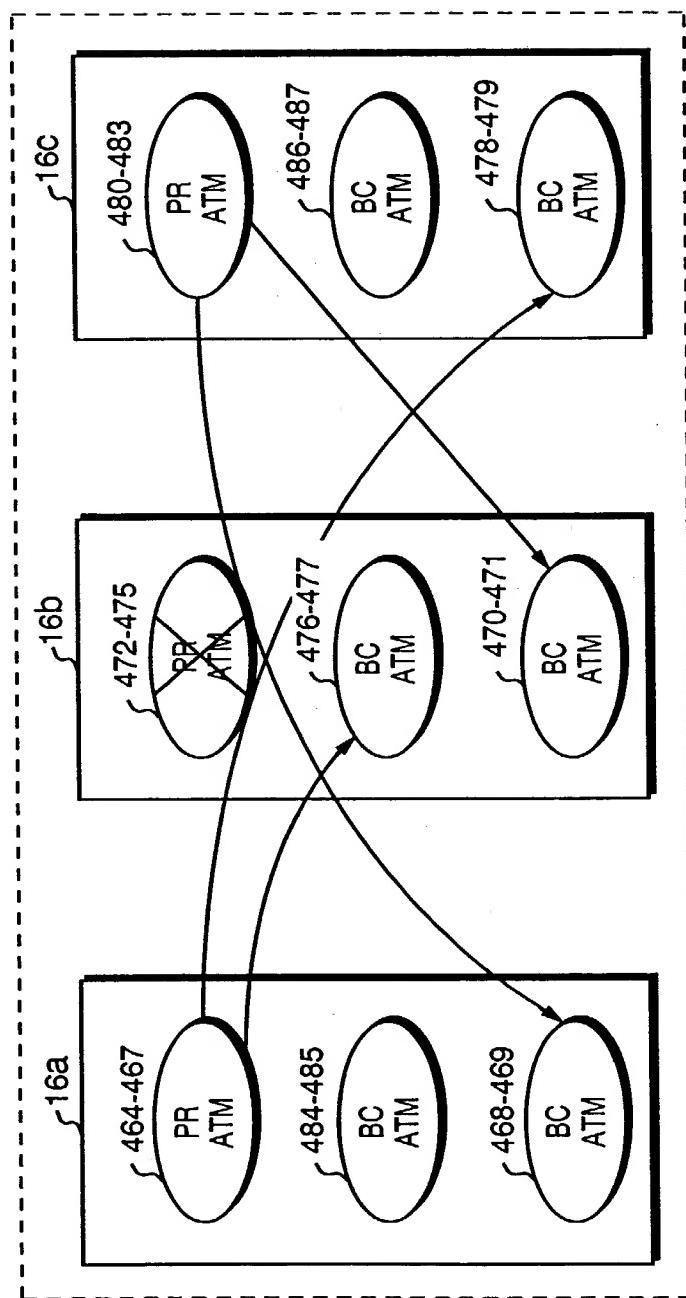


FIG. 32B

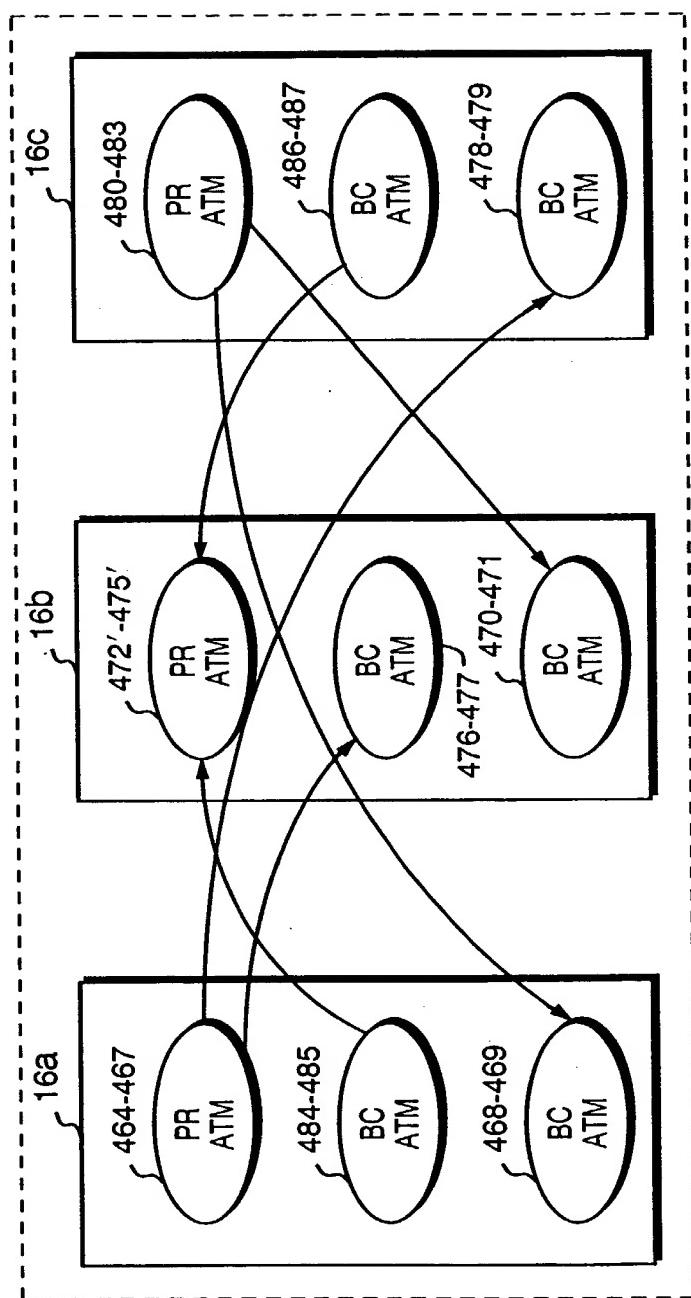


FIG. 32C

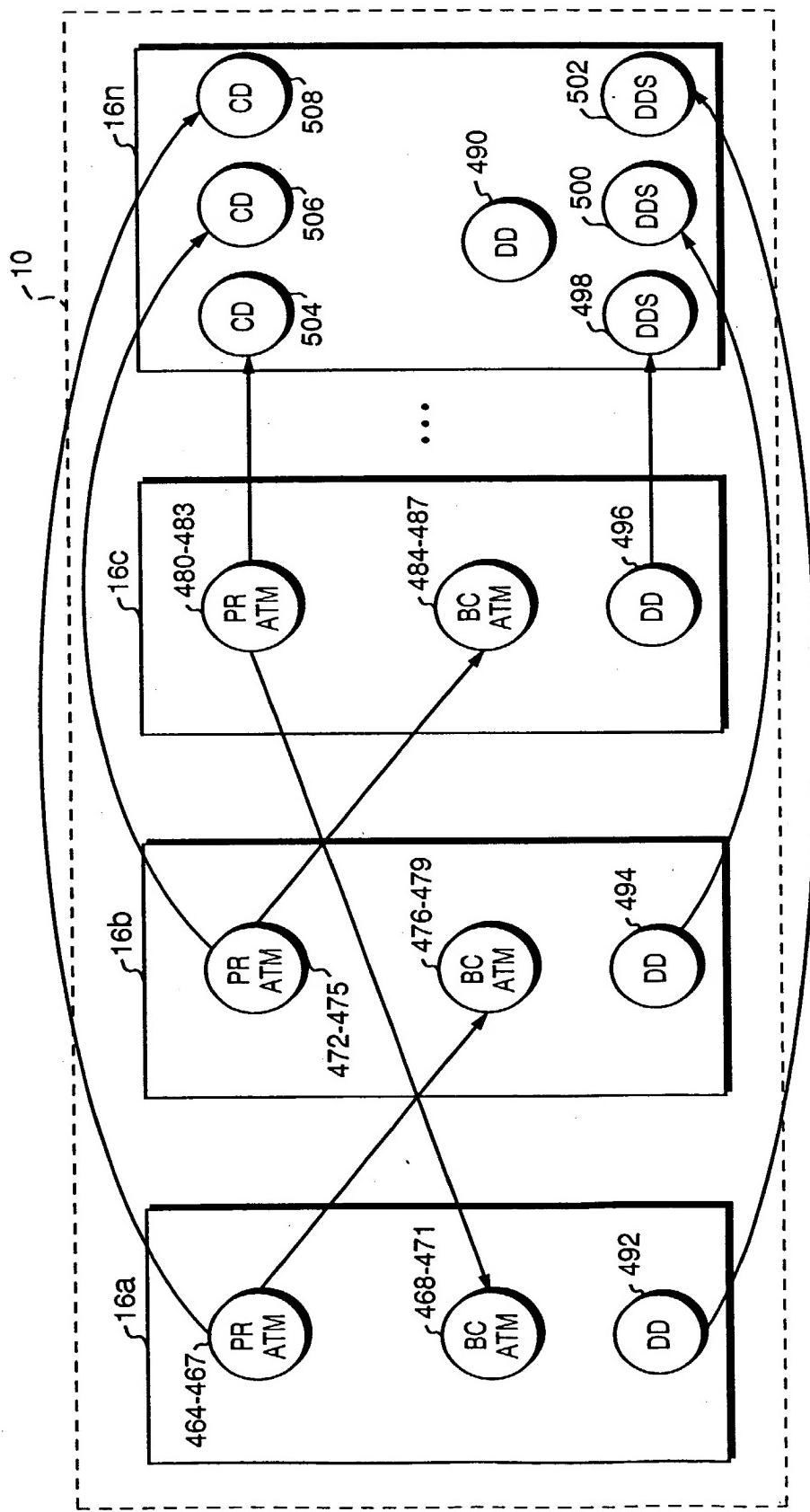


FIG. 33A

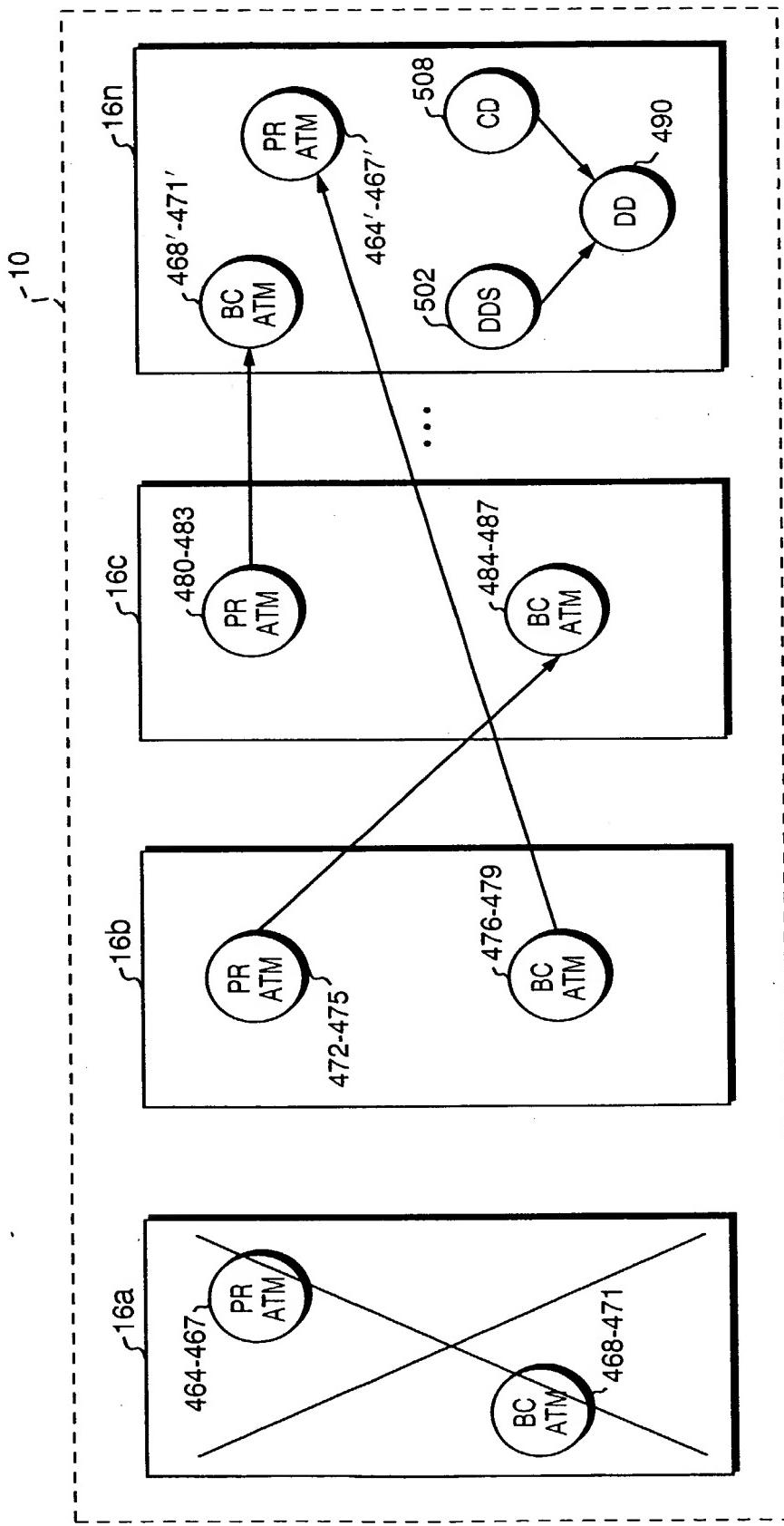


FIG. 33B

102689-85

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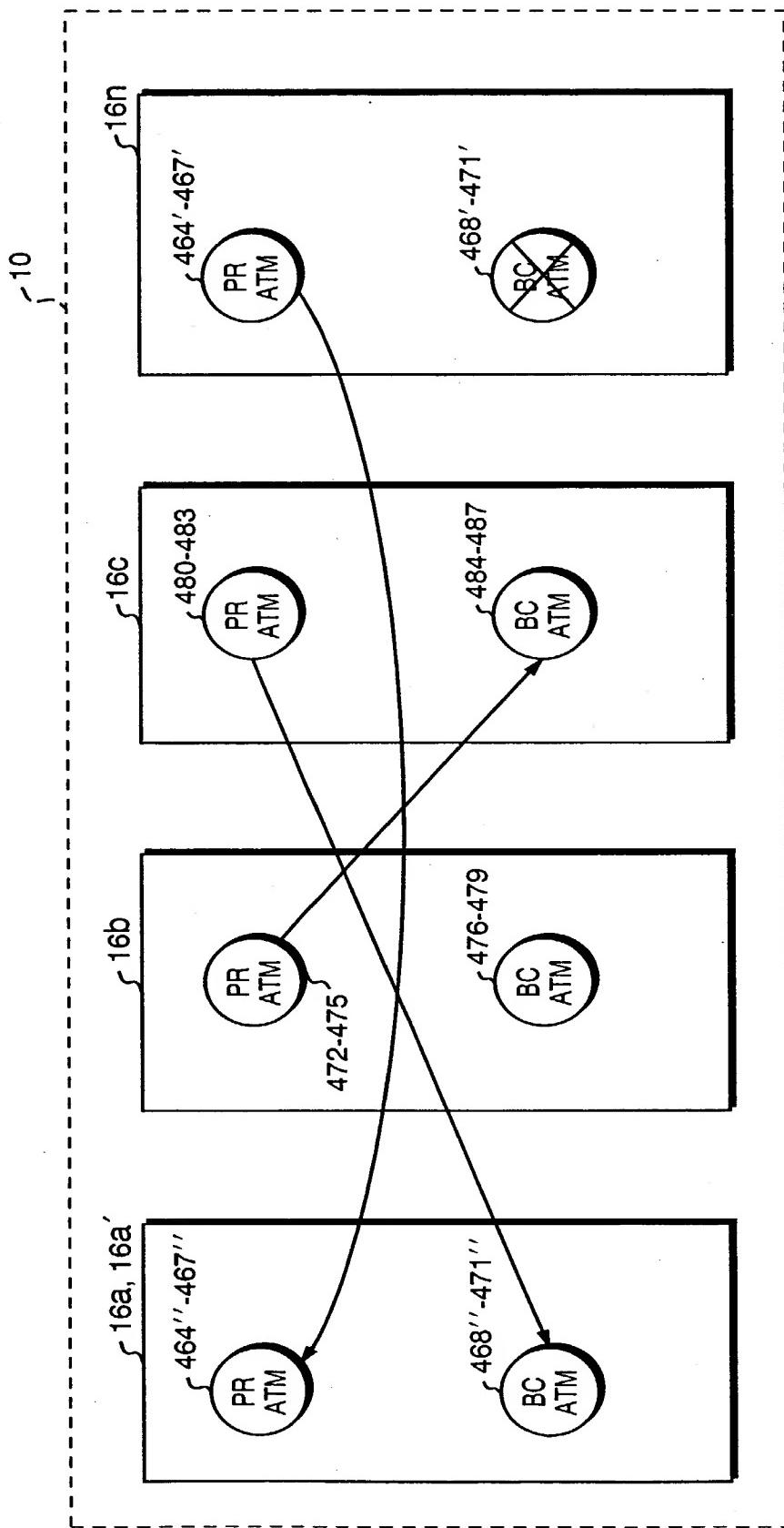


FIG. 33C

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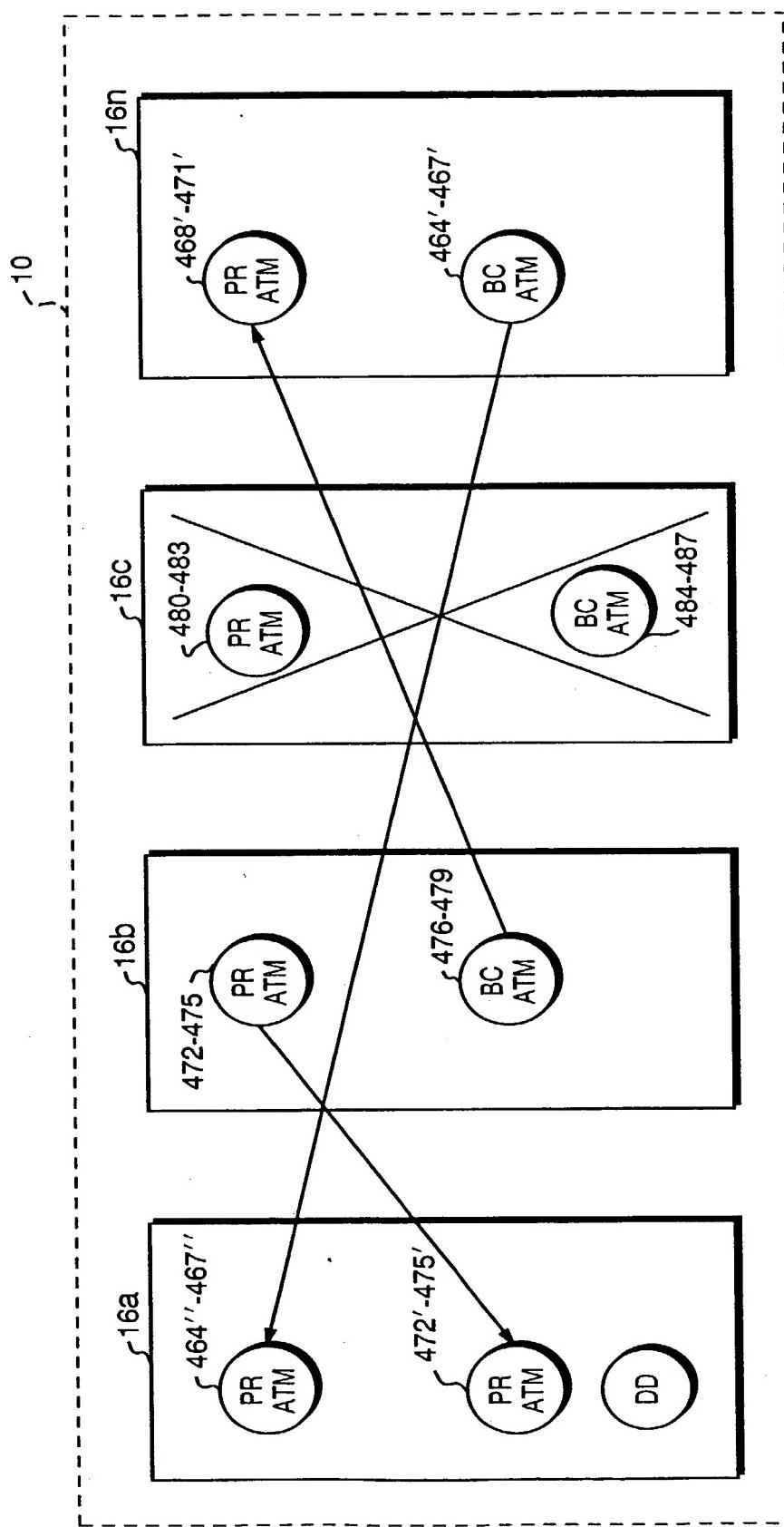


FIG. 33D

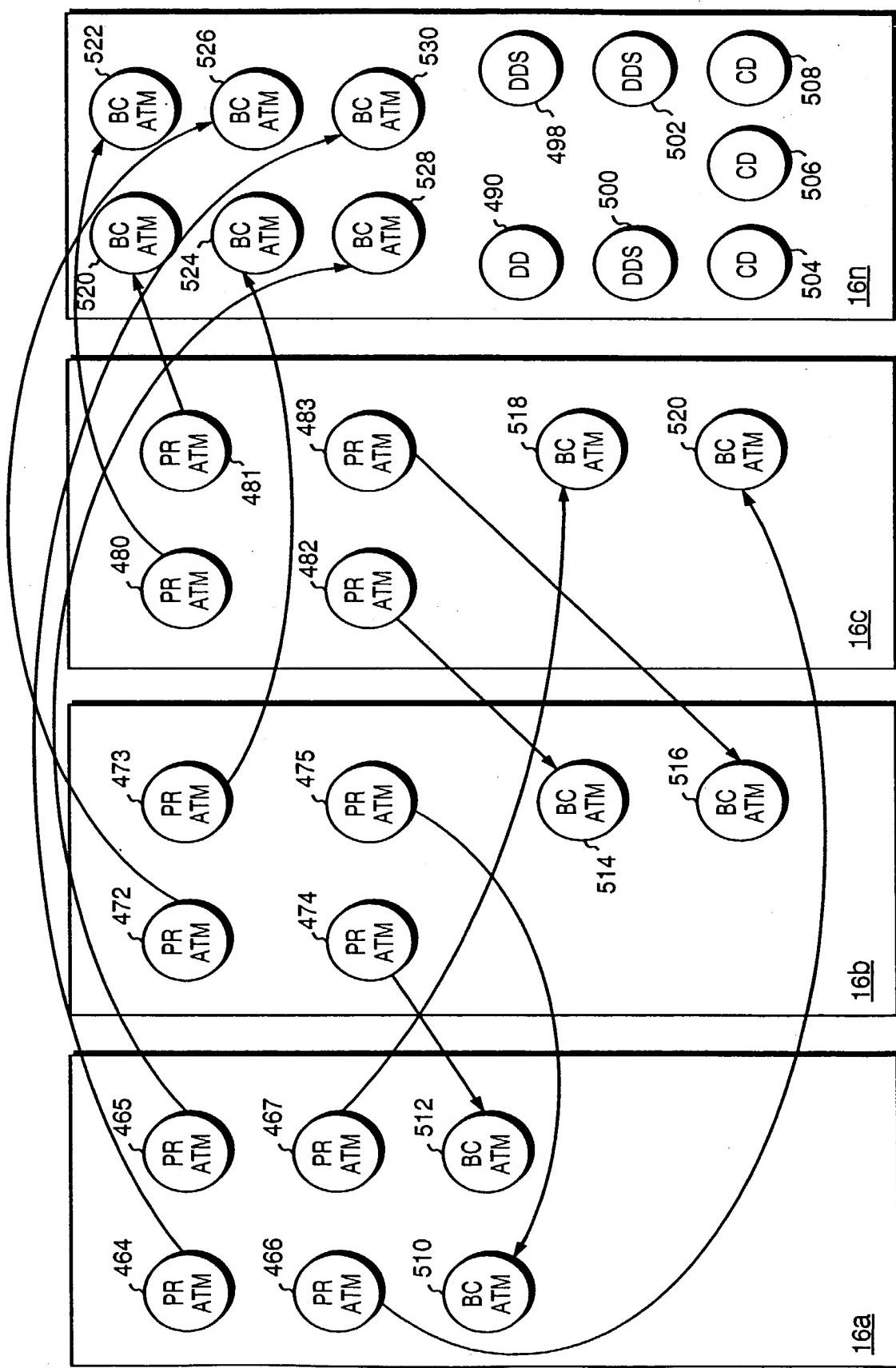


FIG. 34A

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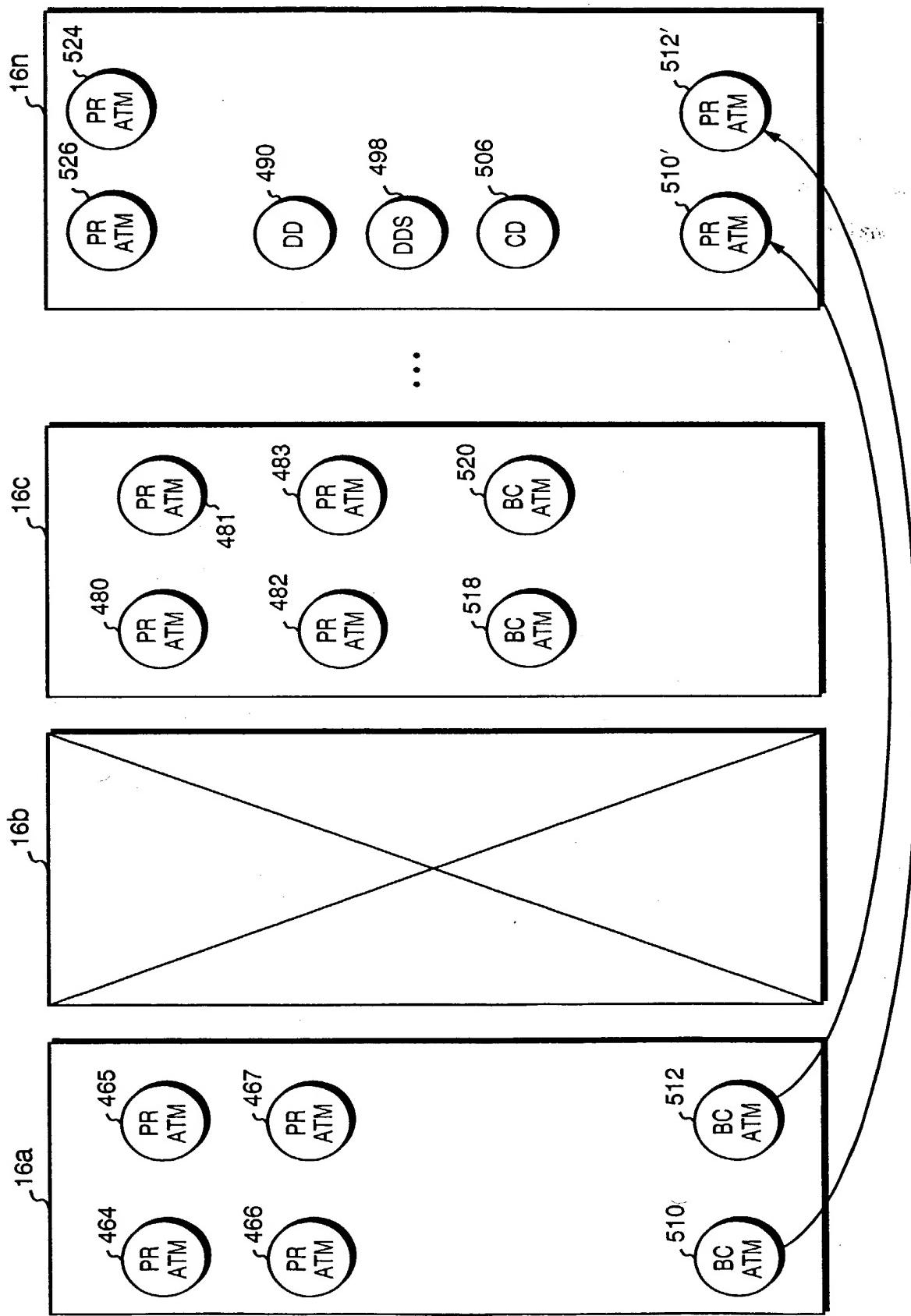
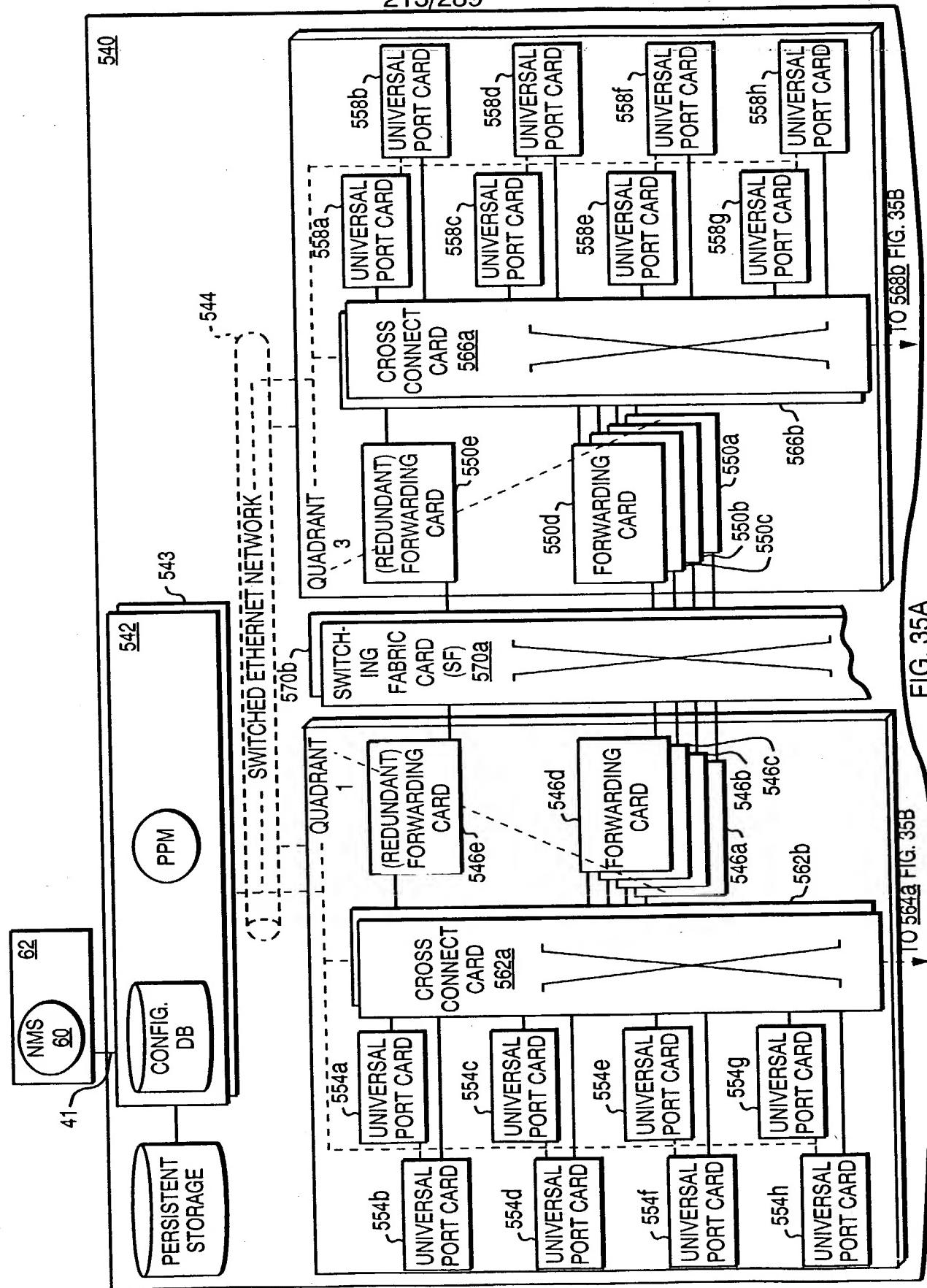


FIG. 34B



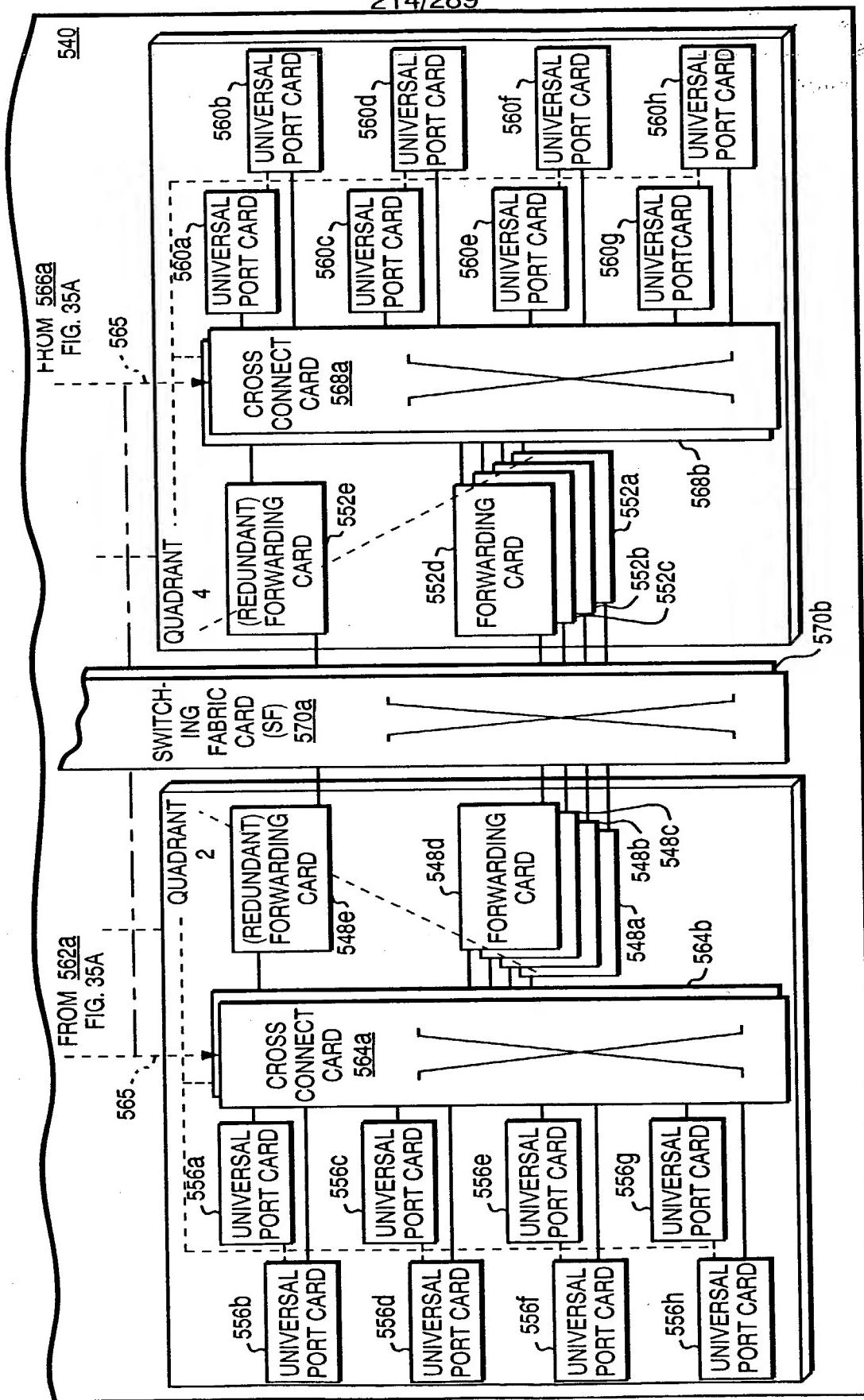
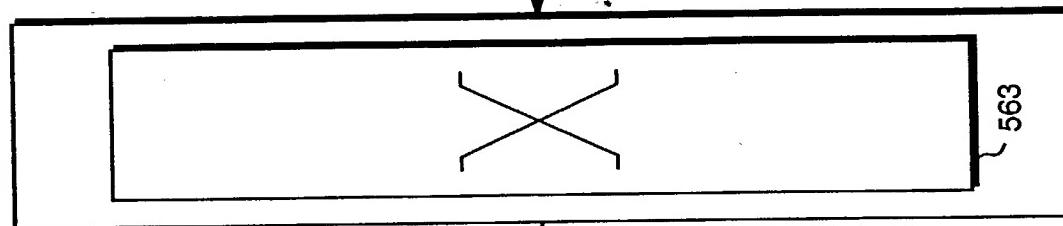


FIG. 35B

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CROSS CONNECTION CARD



562a

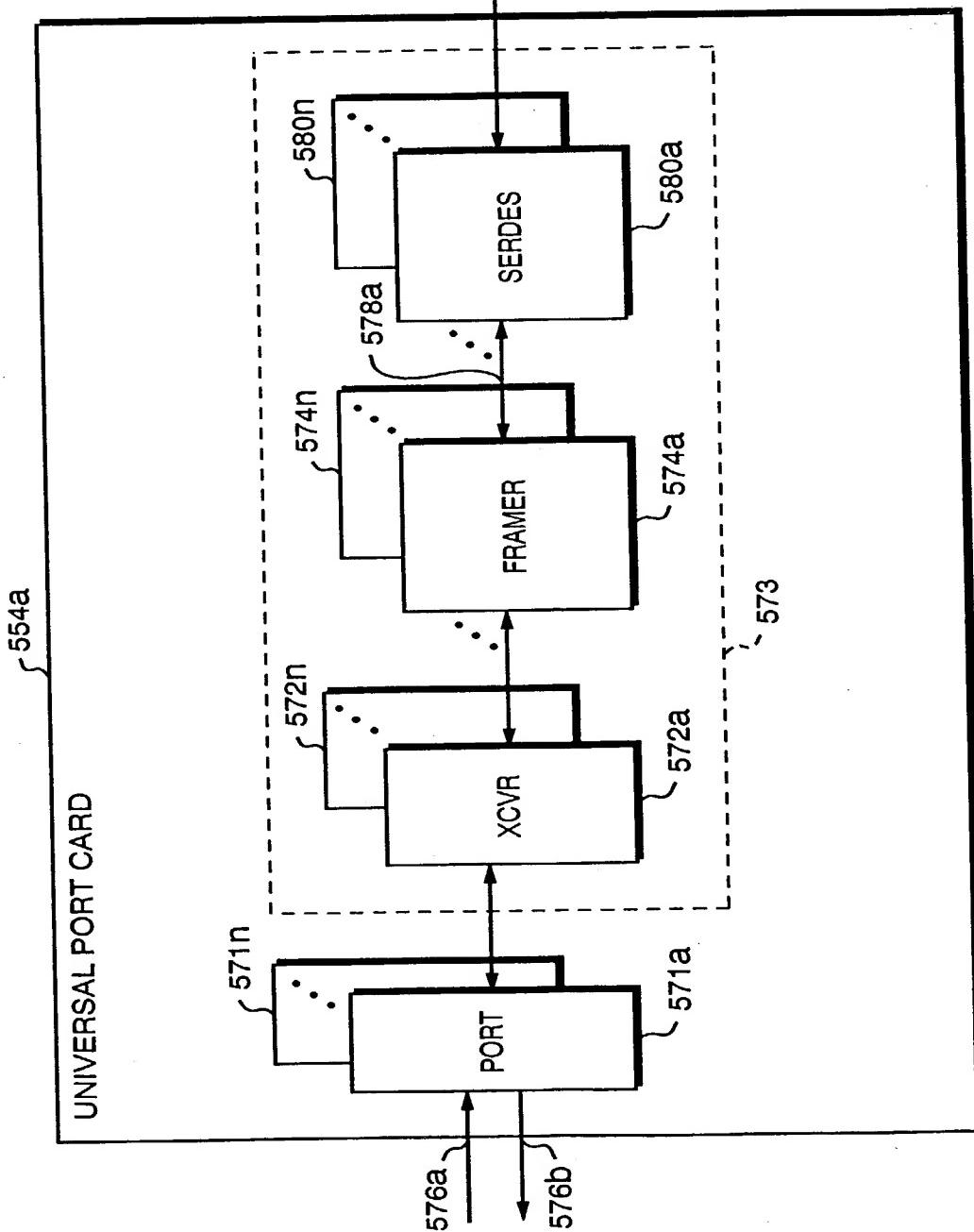
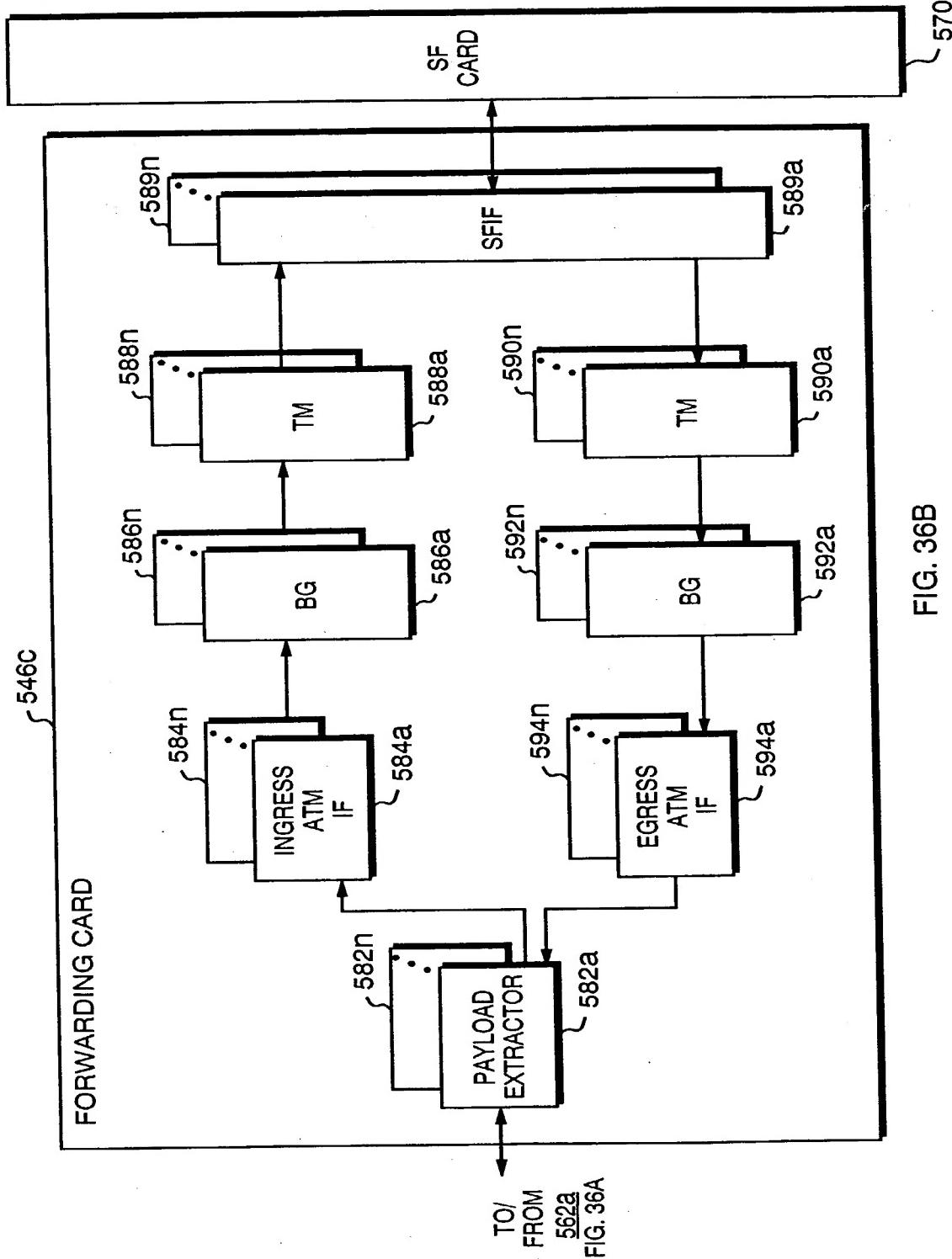


FIG. 36A

FIG. 36B



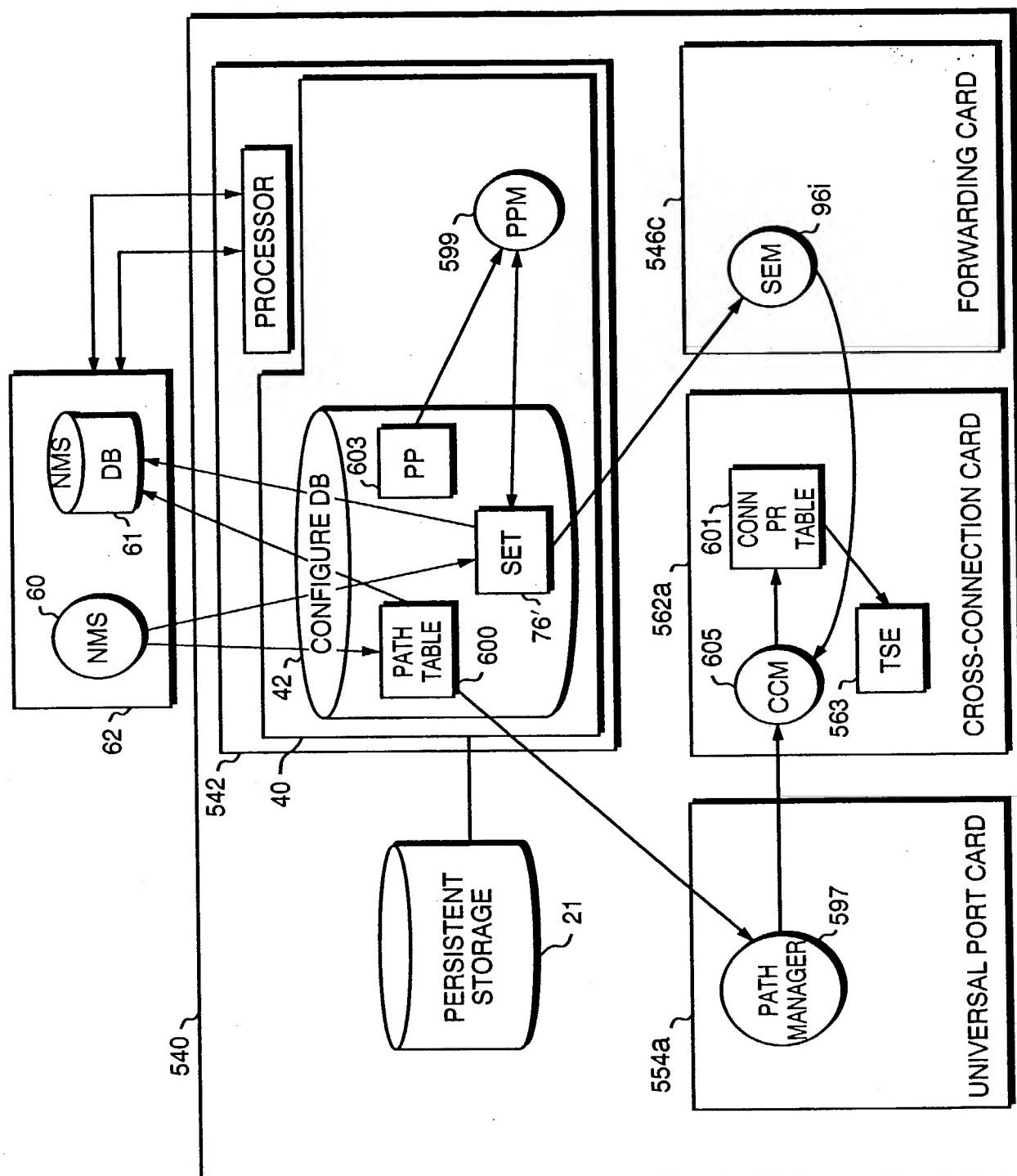


FIG. 37

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PATH TABLE 600

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG. 38

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SERVICE END POINT TABLE 76'

SE #	Q #	FC LID	FC SLICE	FC TIME SLOT	PATH PID	...
878	1				1666	
.
.
.

FIG. 39

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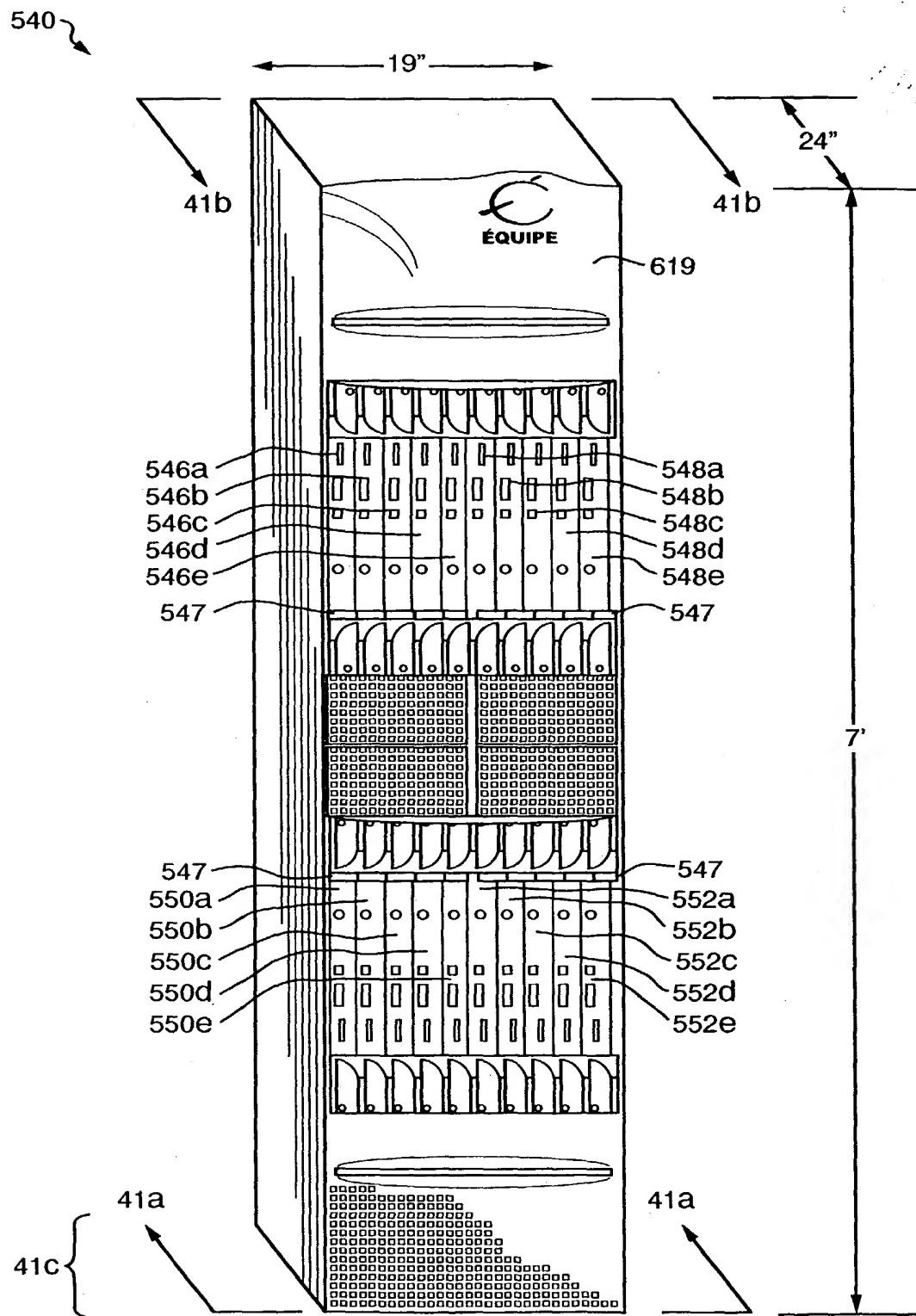


FIG. 40

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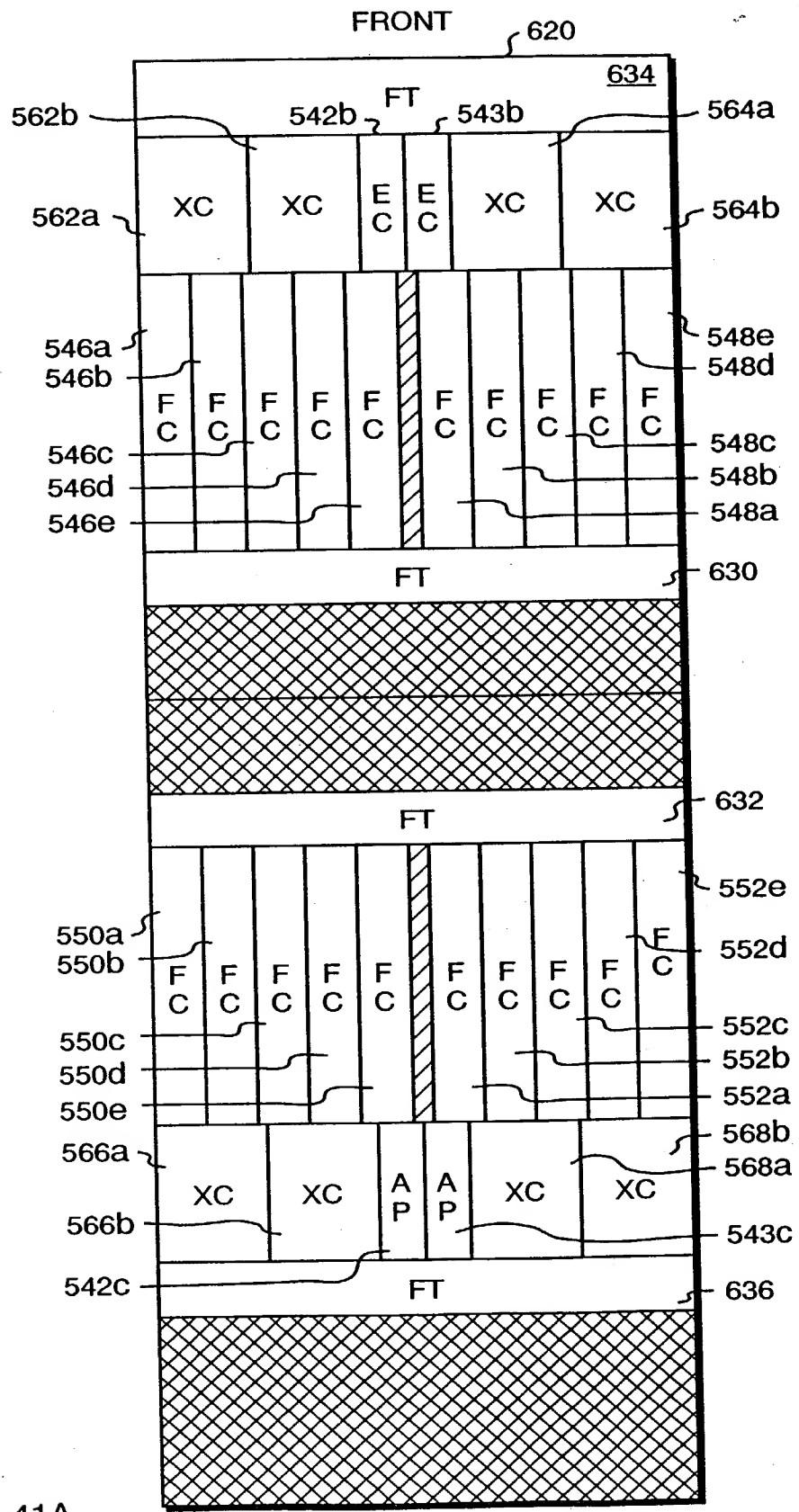


FIG. 41A

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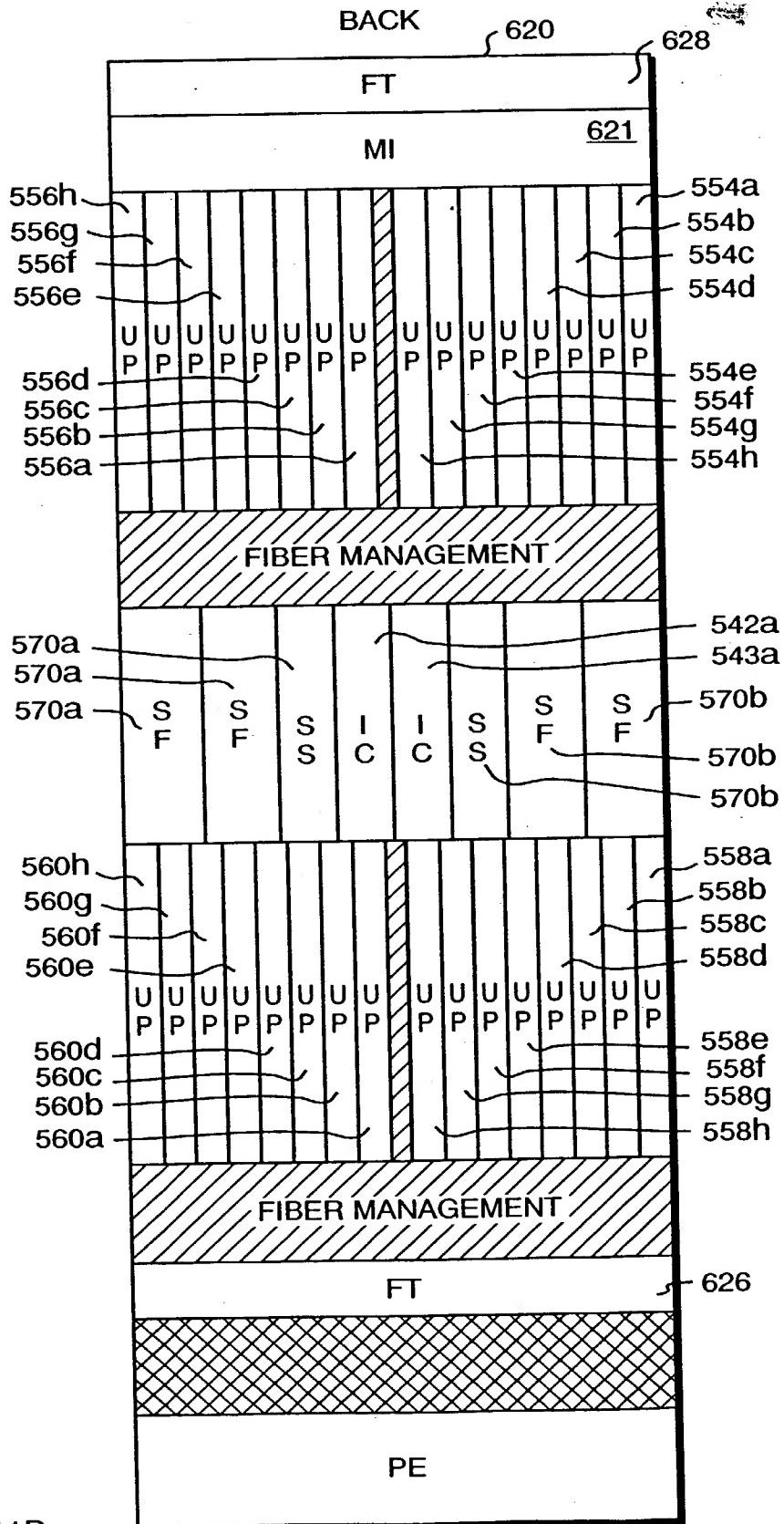


FIG. 41B

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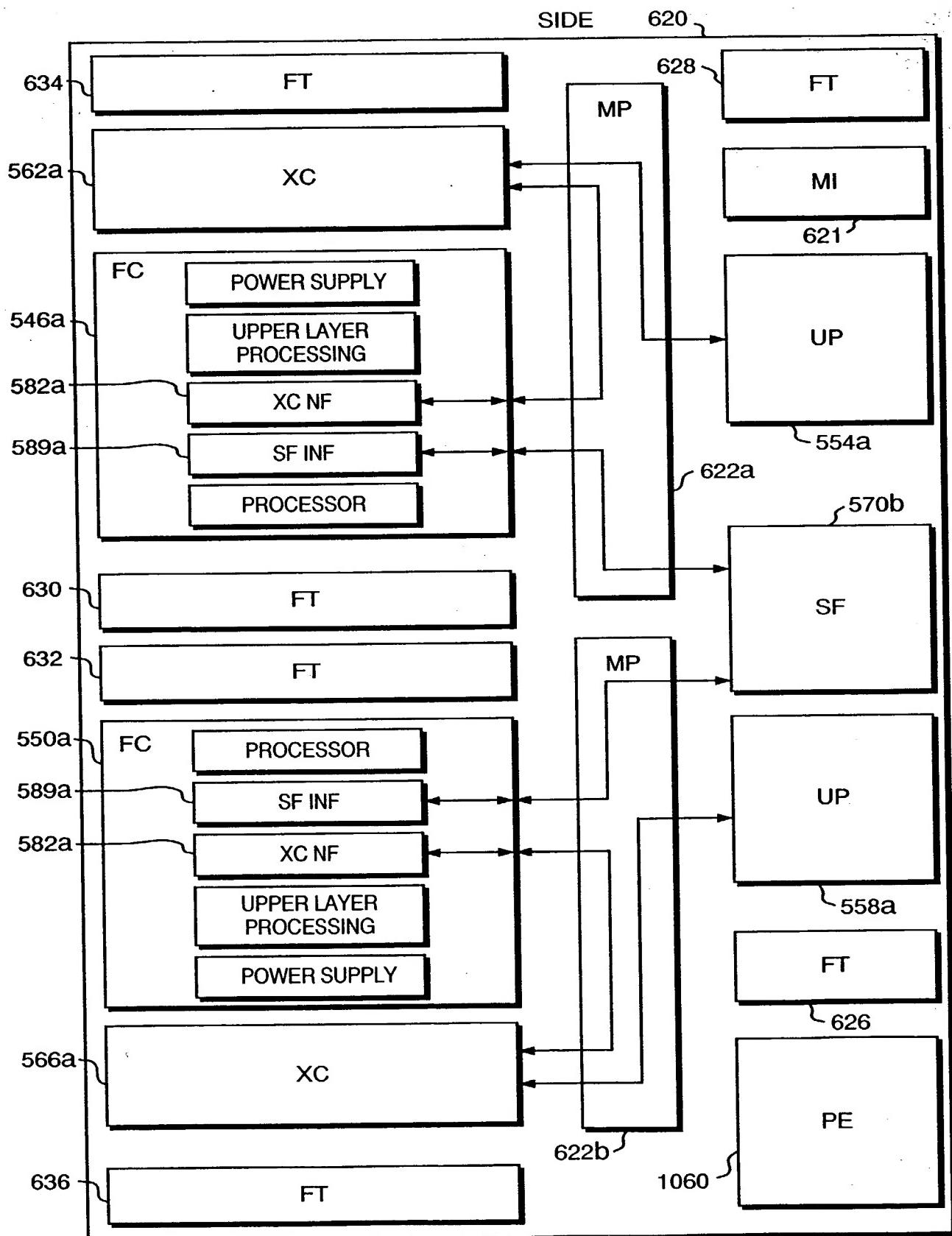


FIG. 41C

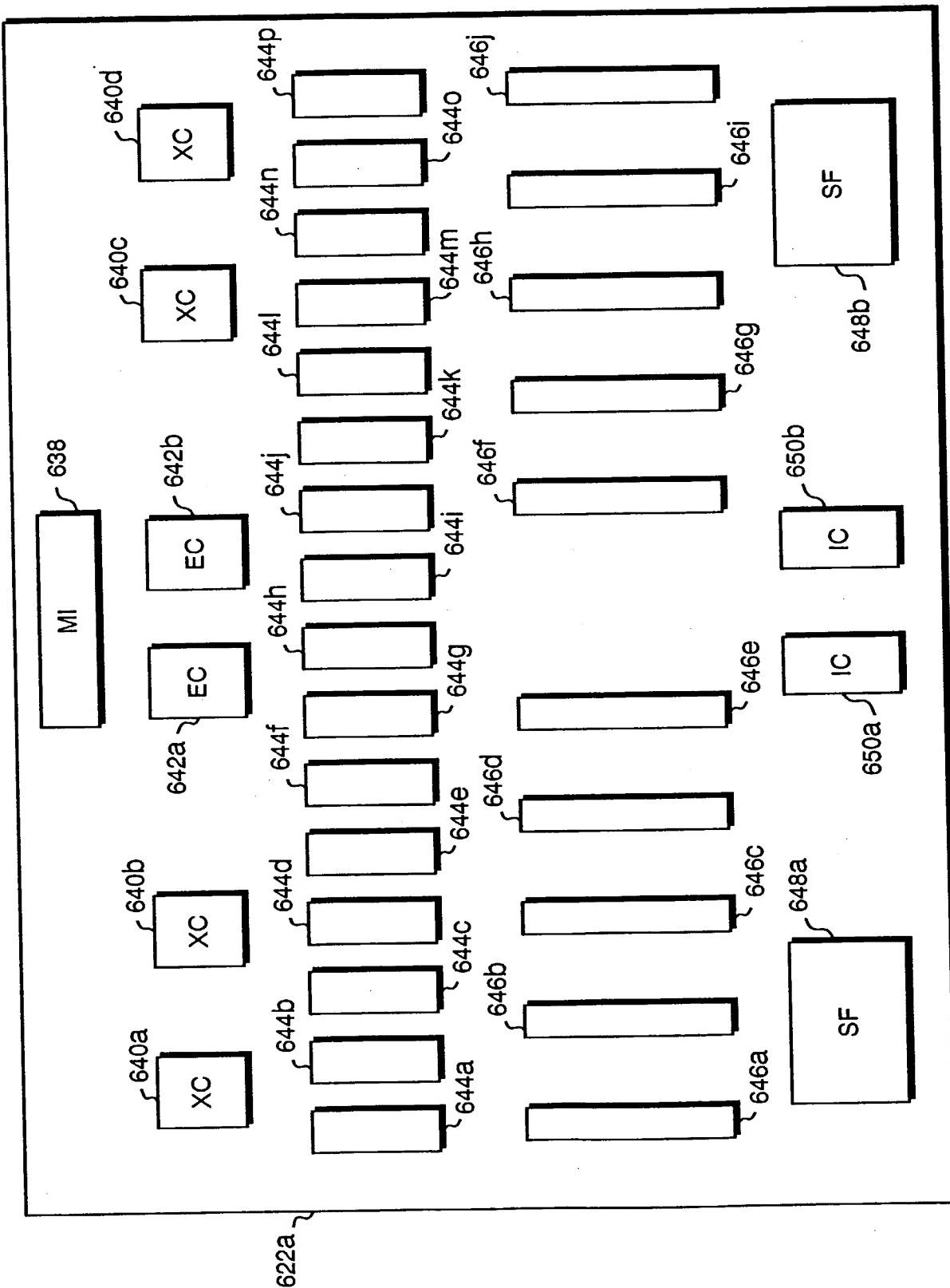


FIG. 42A

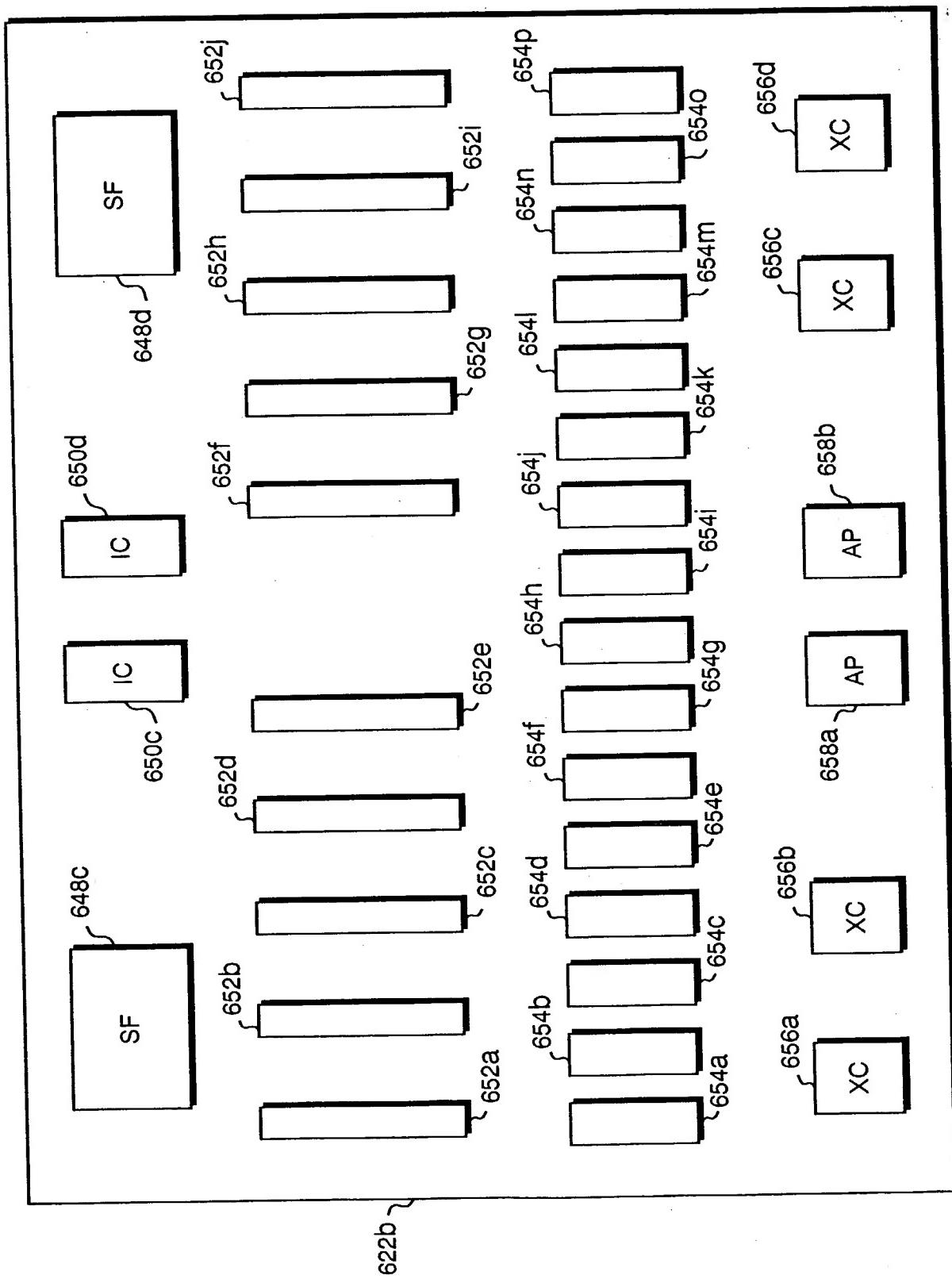


FIG. 42B

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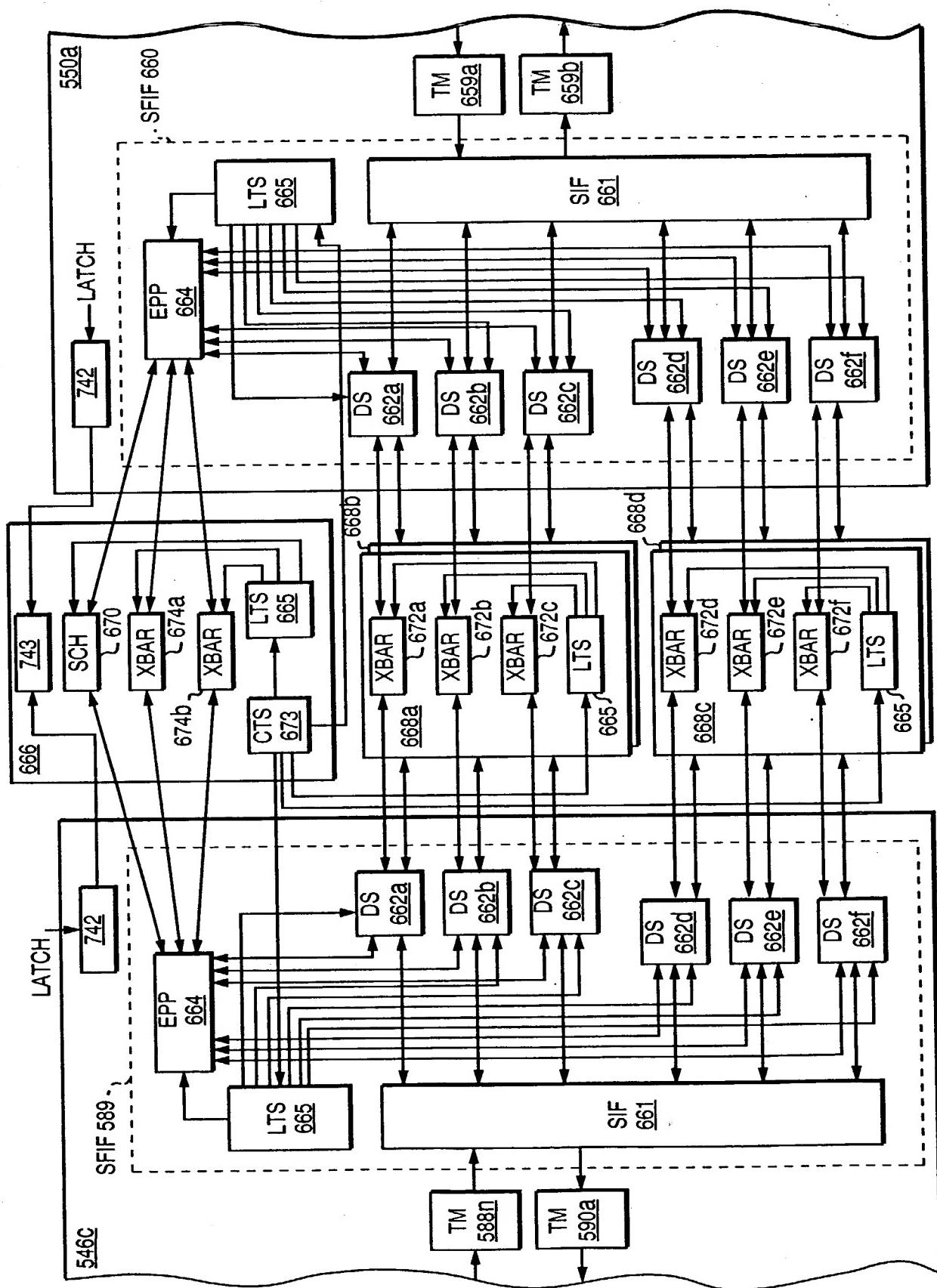


FIG. 43

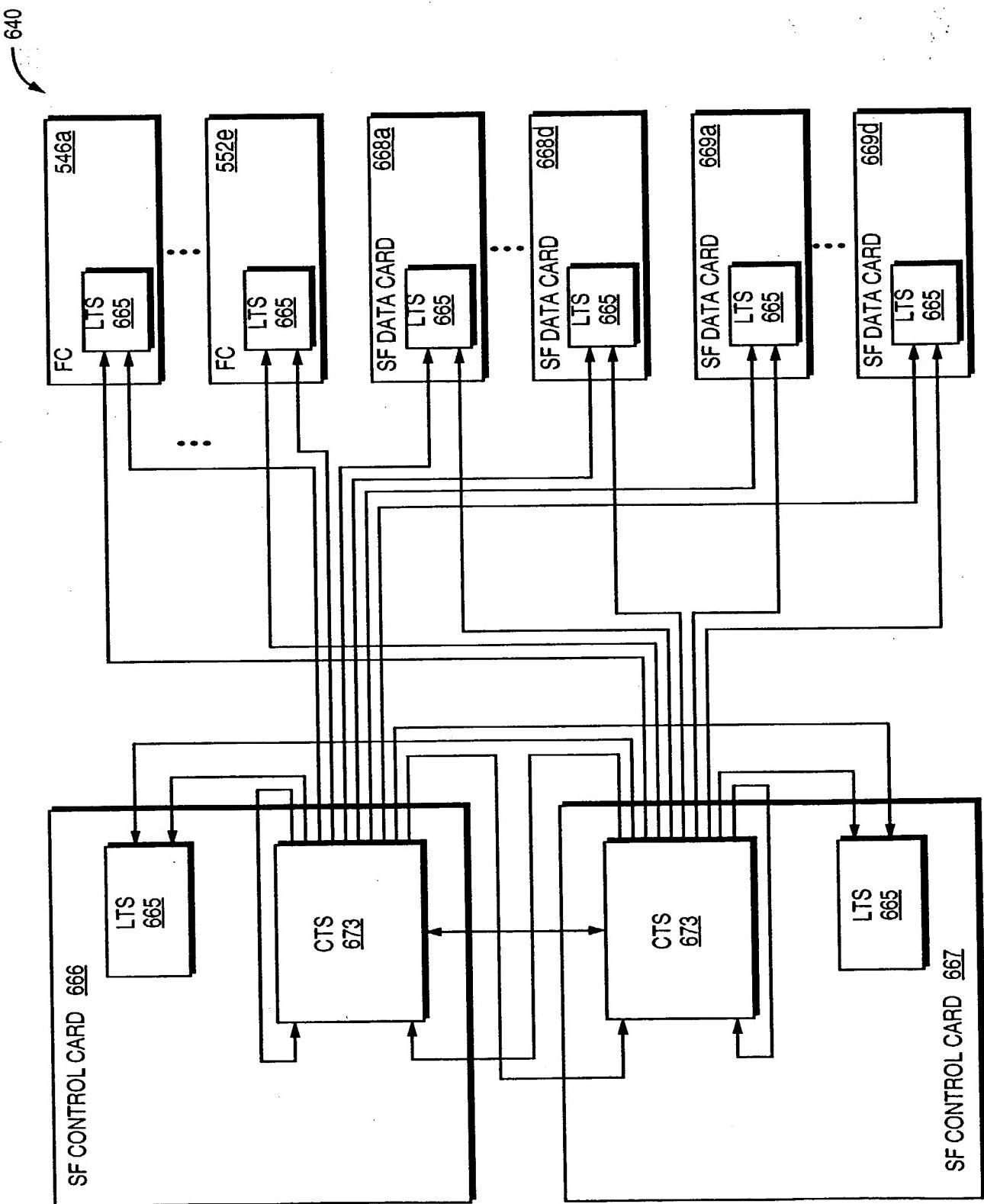
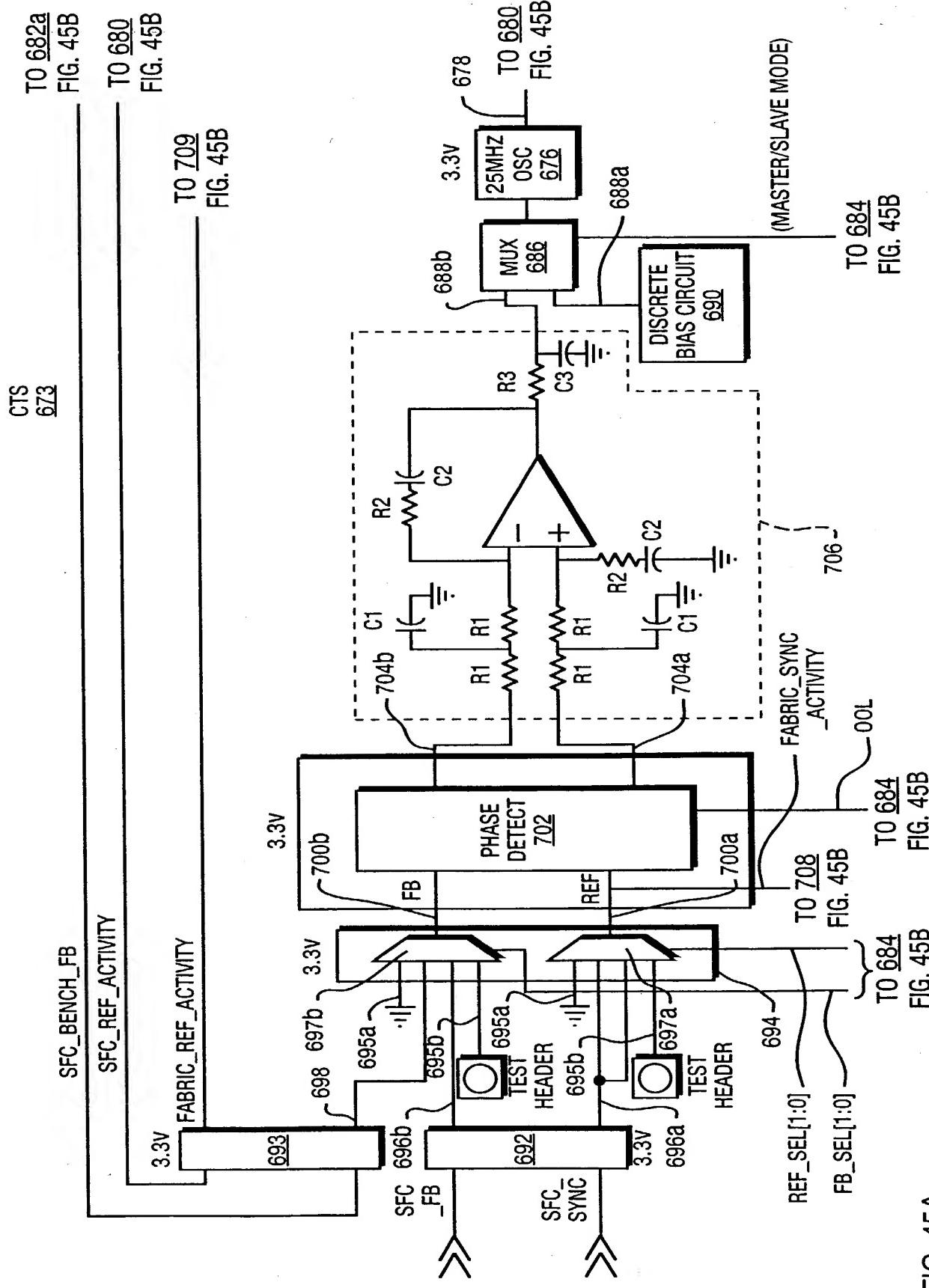


FIG. 44

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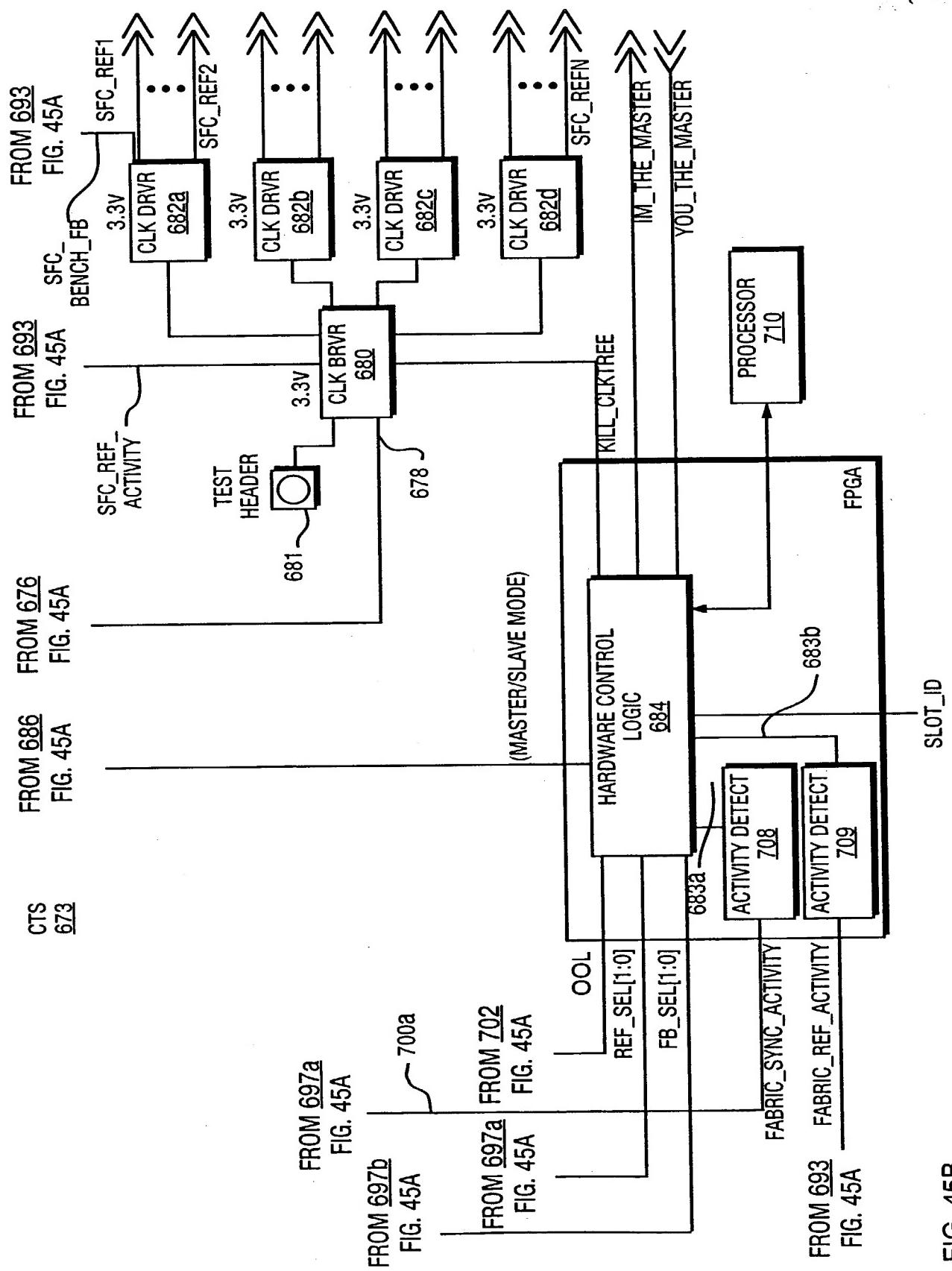


FIG. 45B

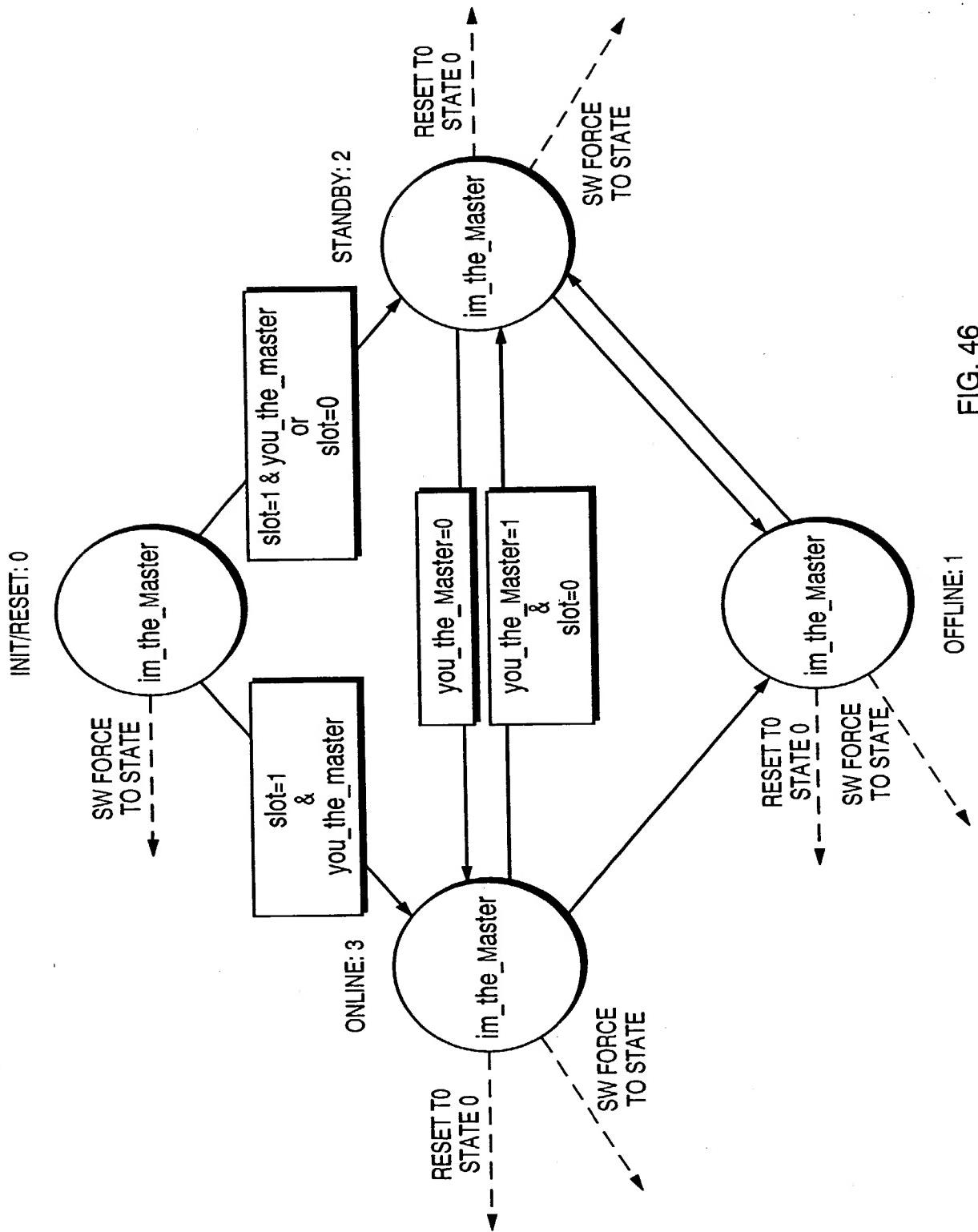
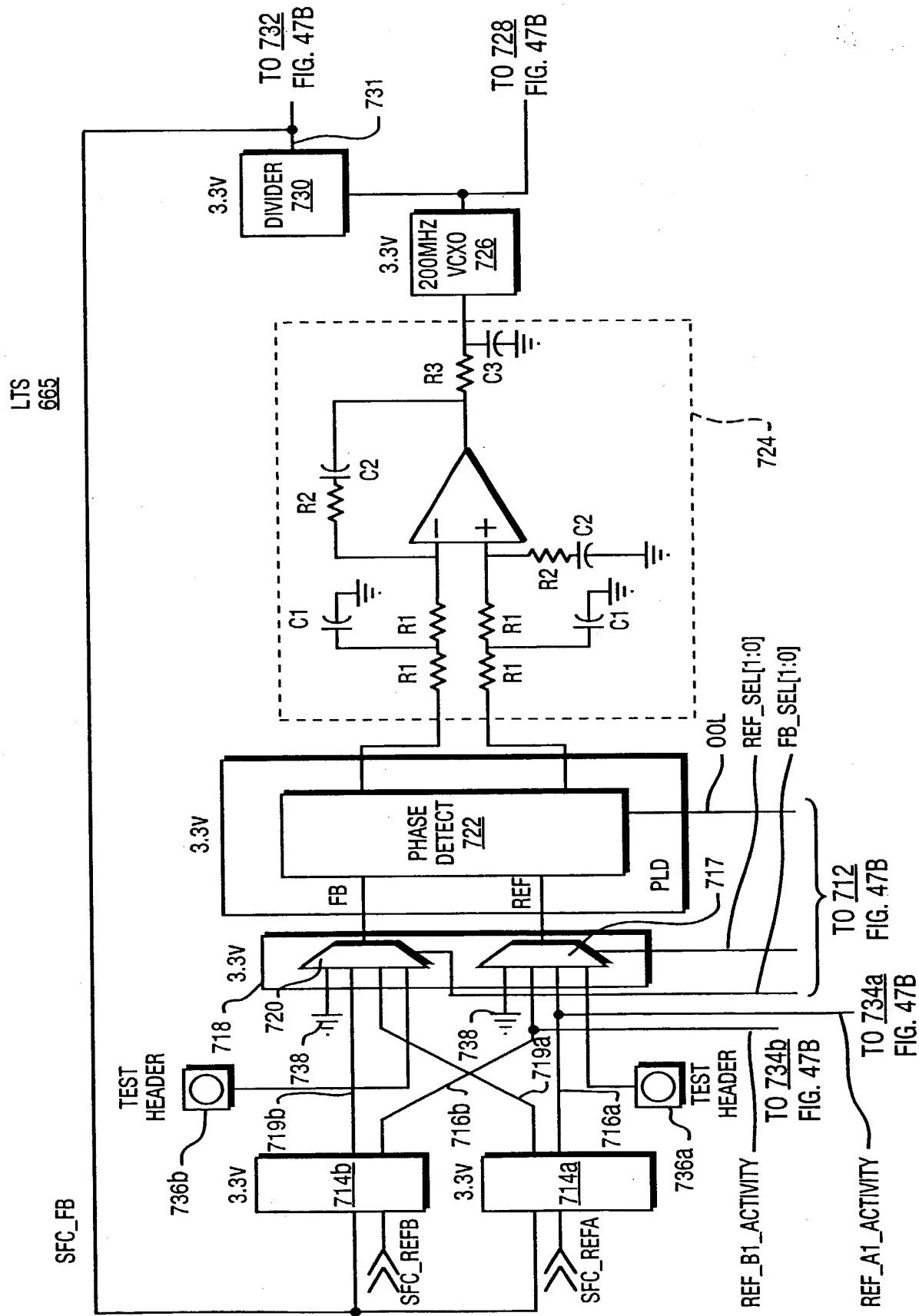
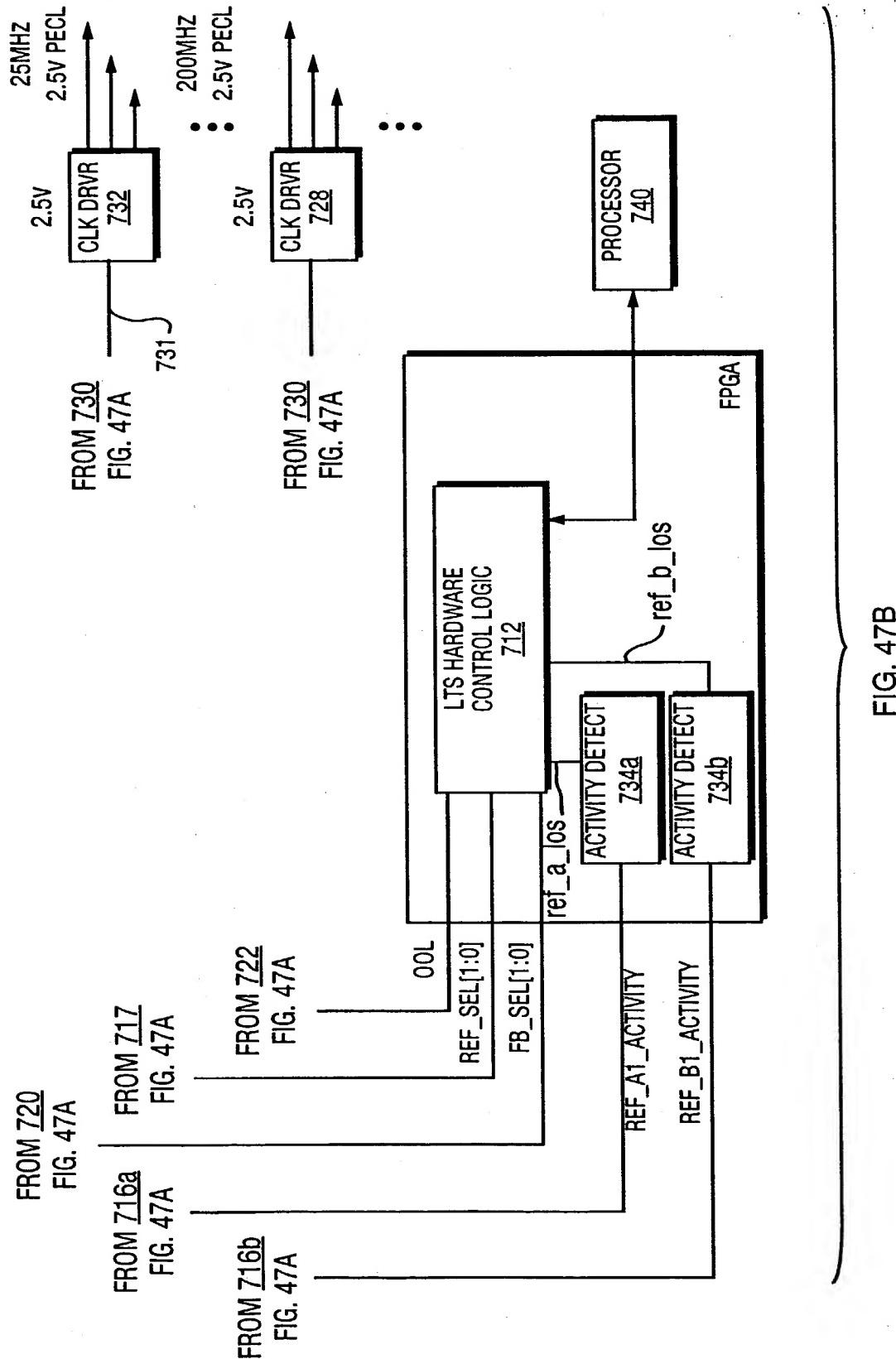


FIG. 46





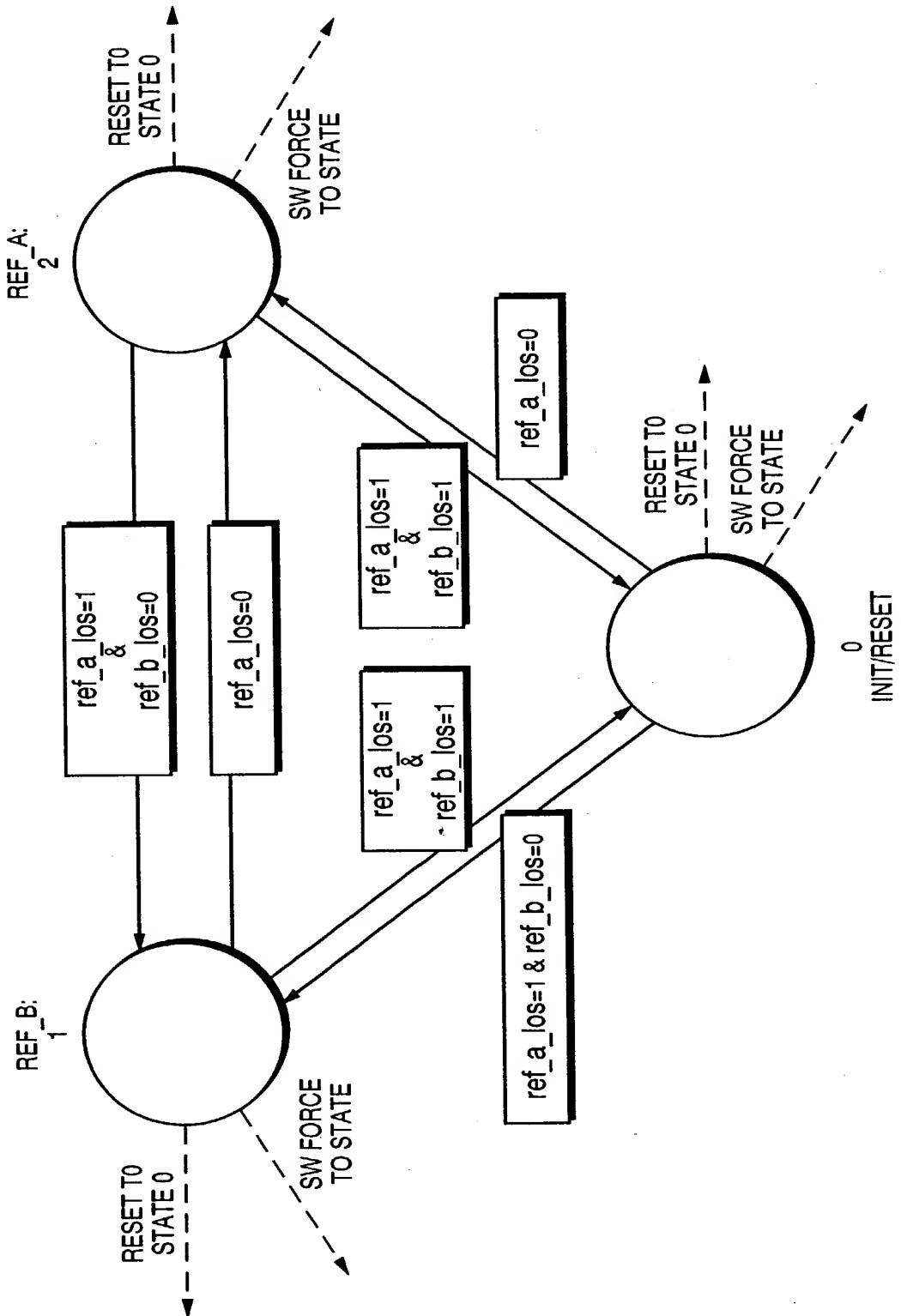


FIG. 48

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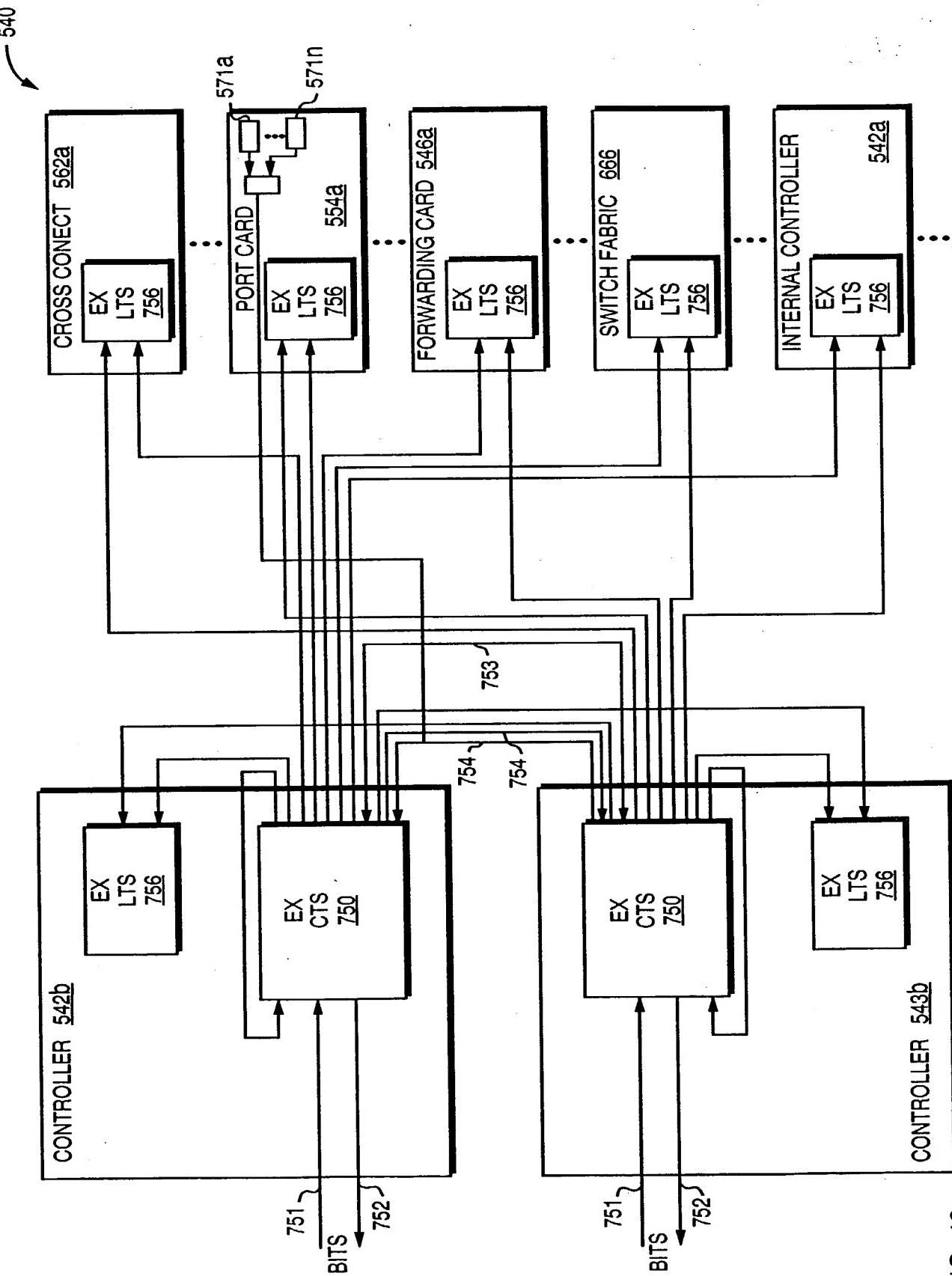


FIG. 49

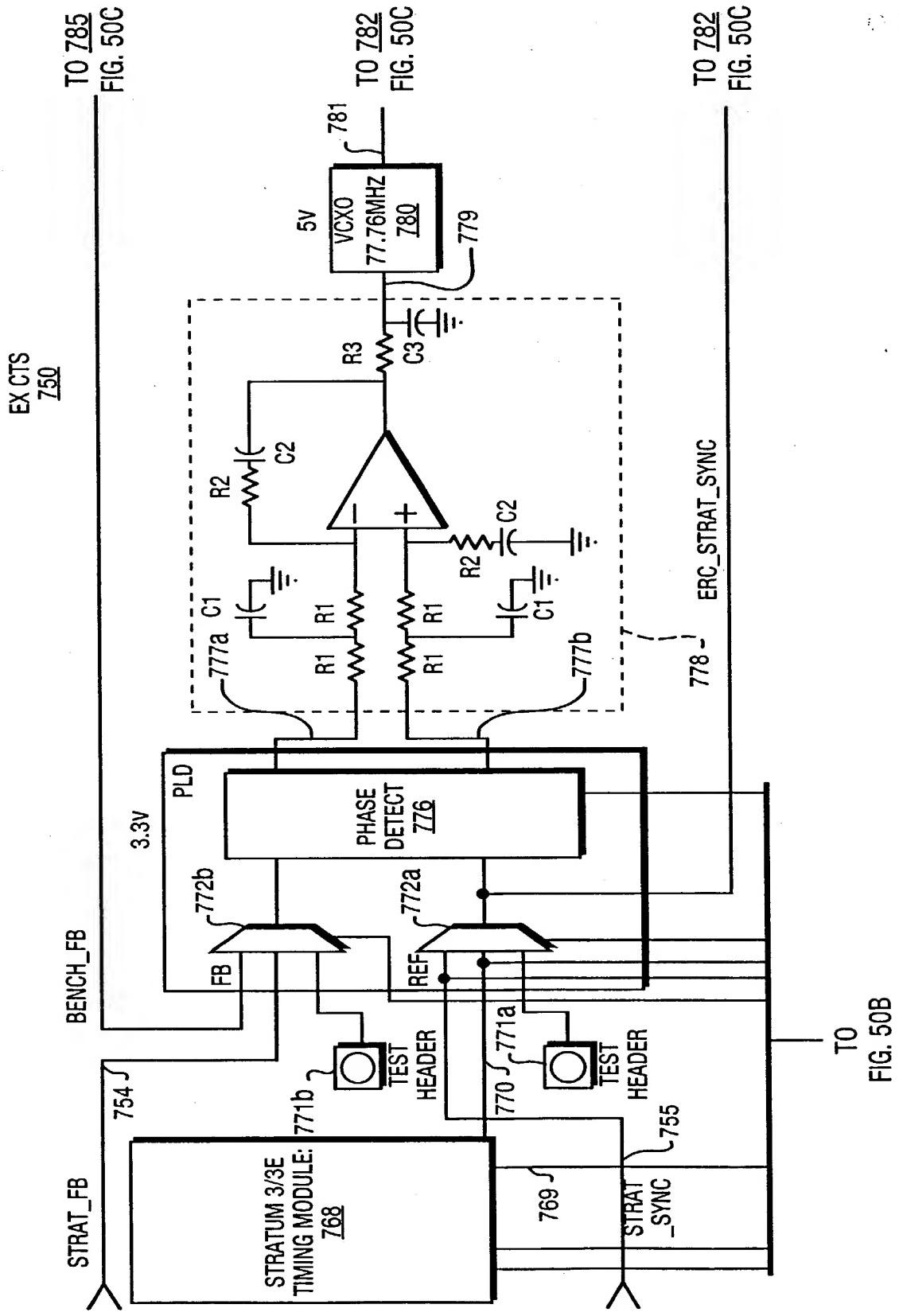


FIG. 50A

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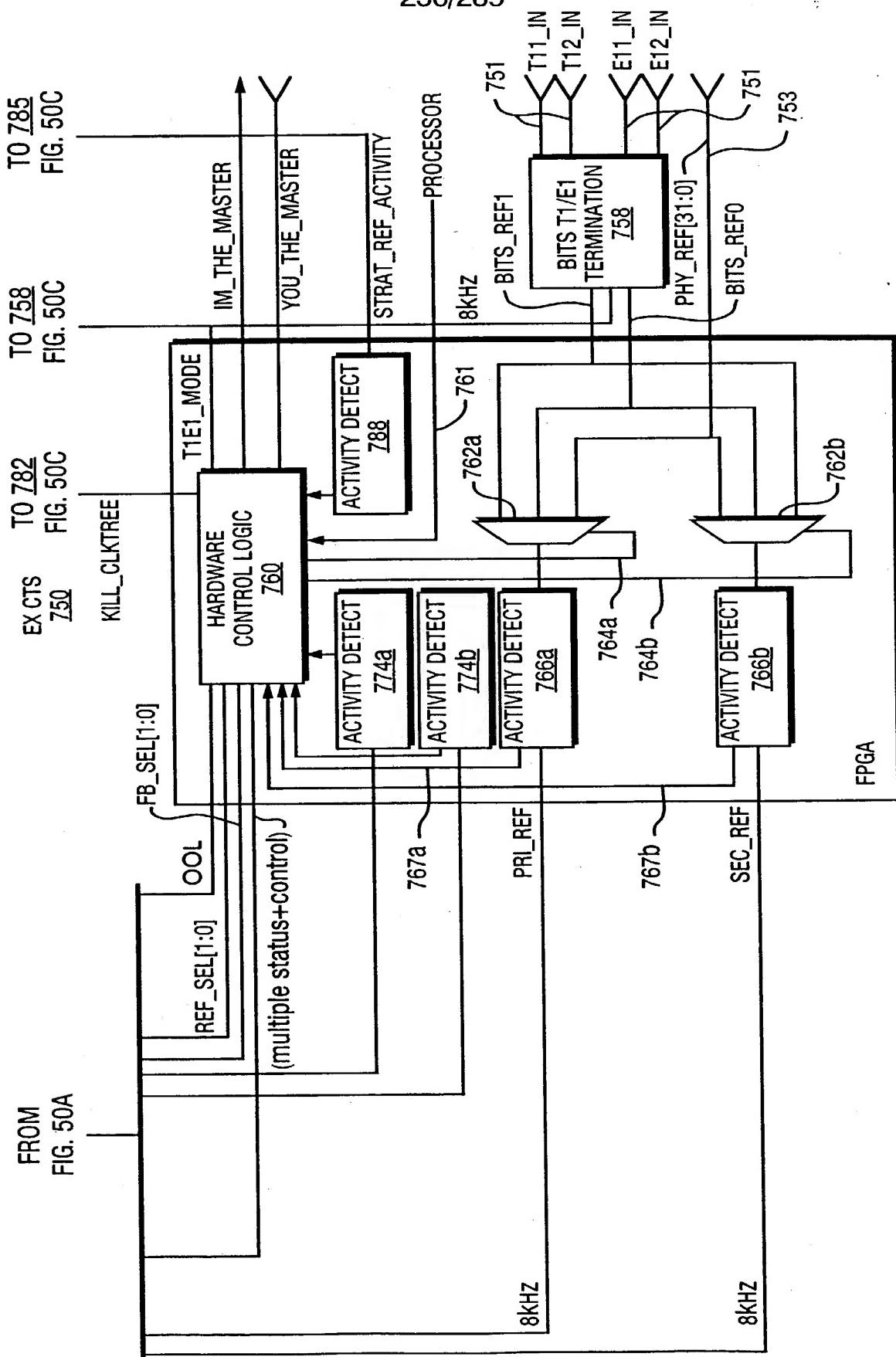
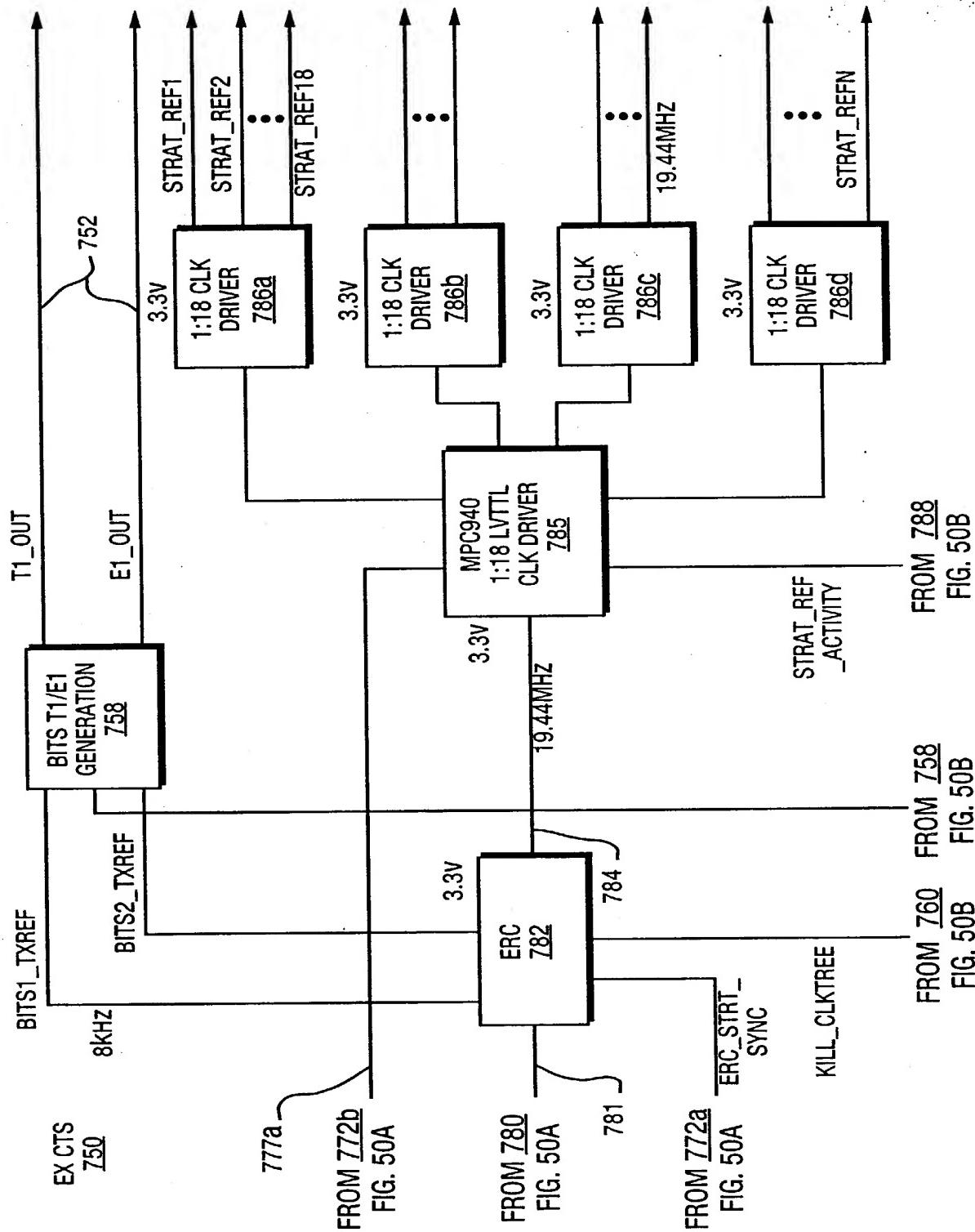


FIG. 50B

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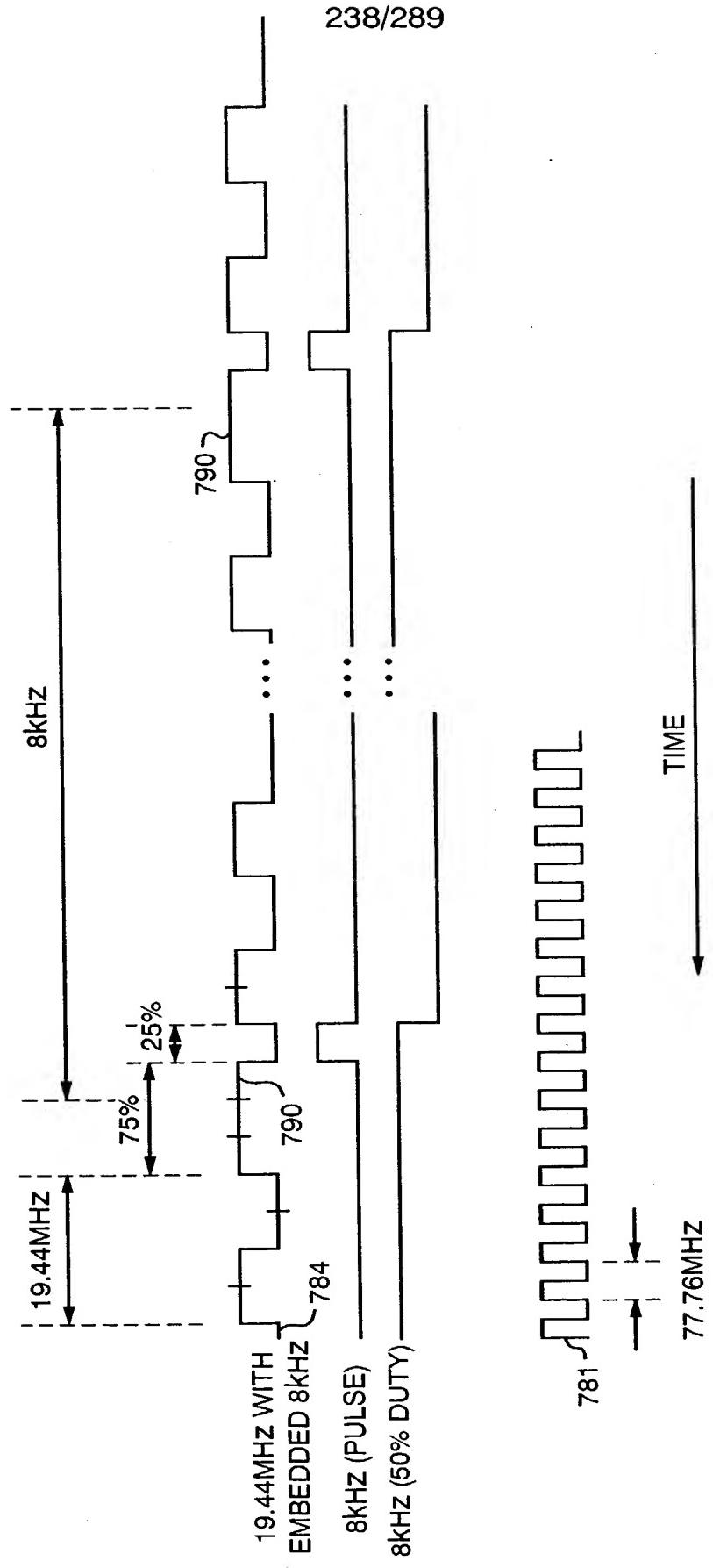


FIG. 51

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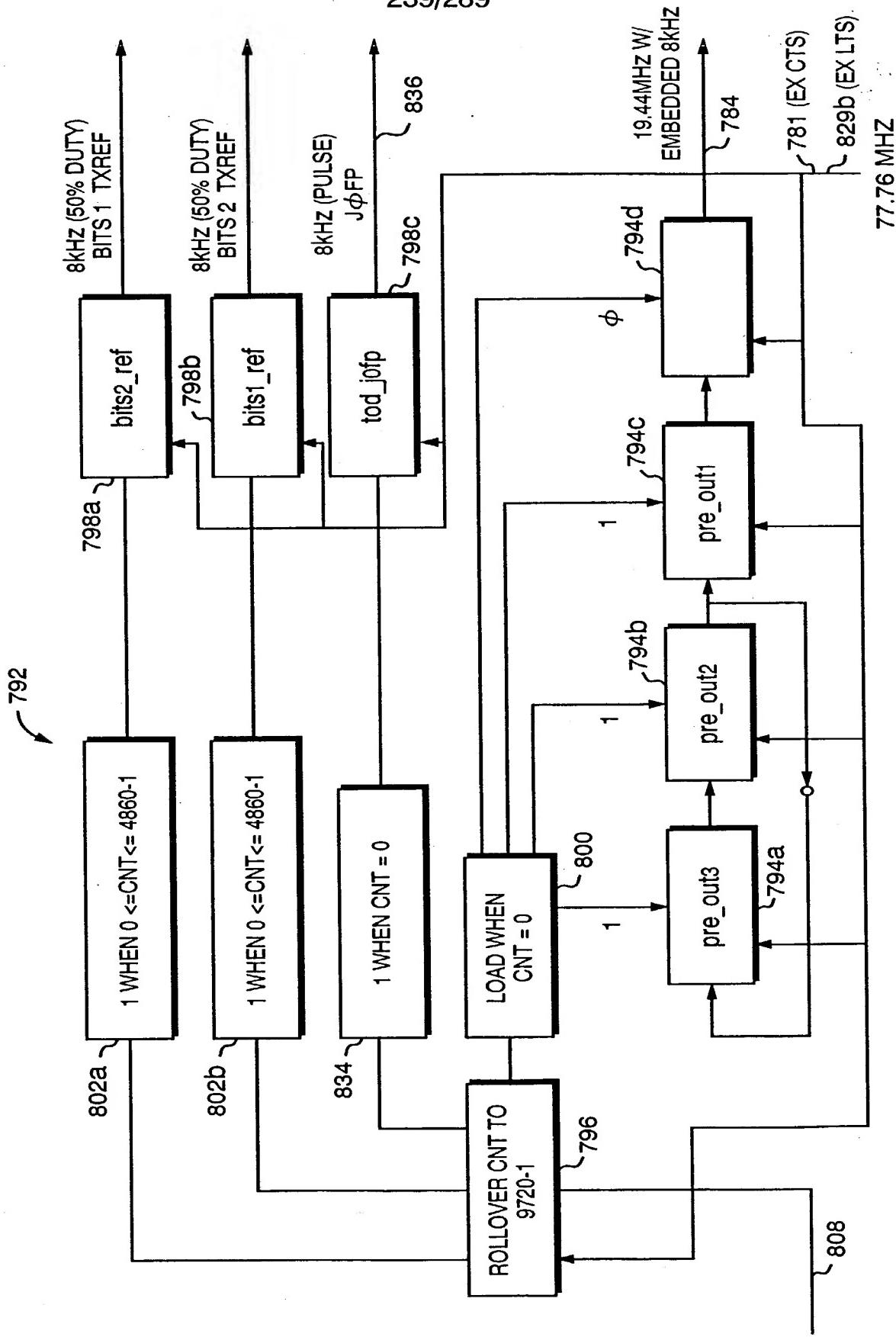


FIG. 52

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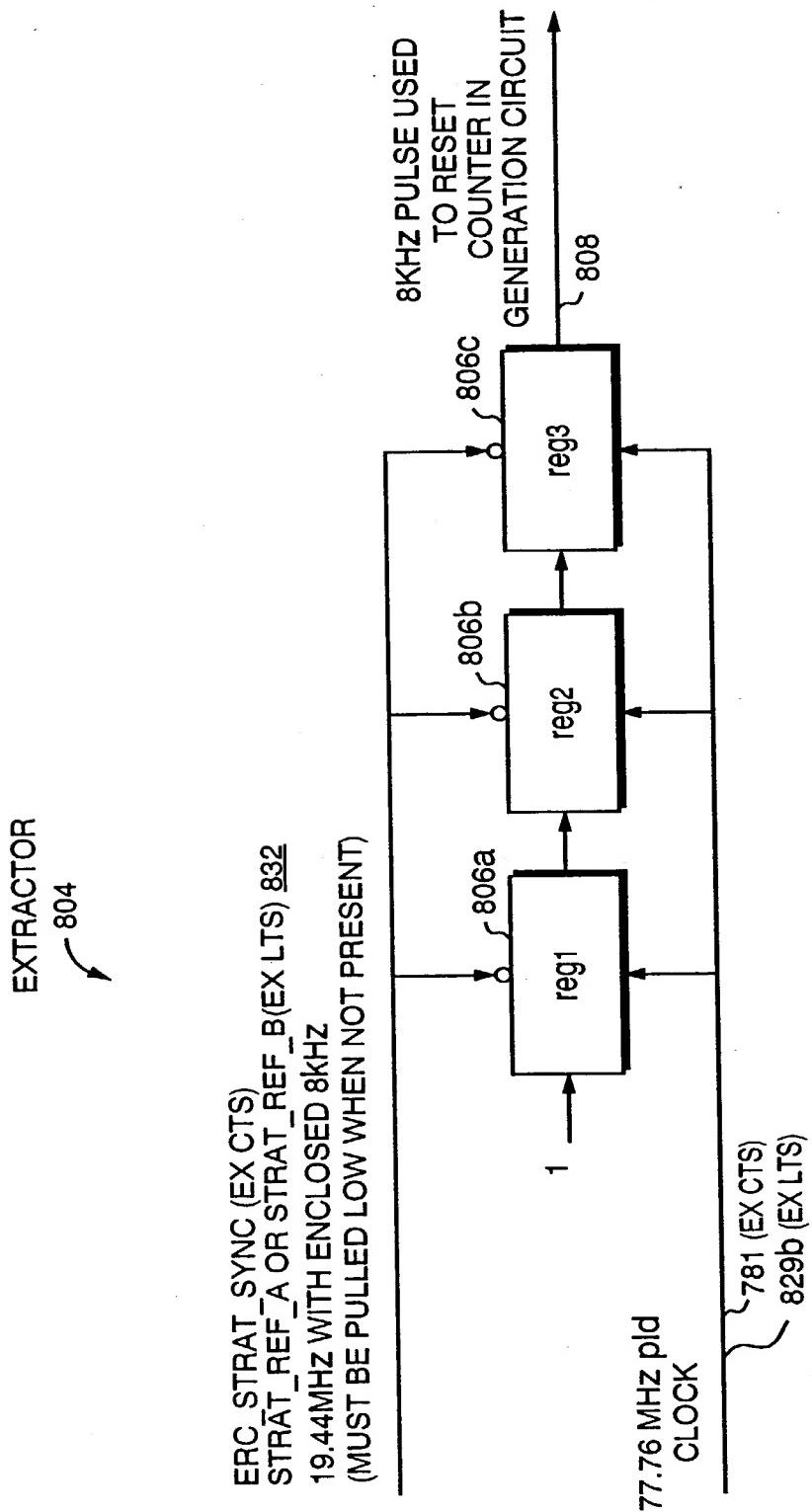


FIG. 53

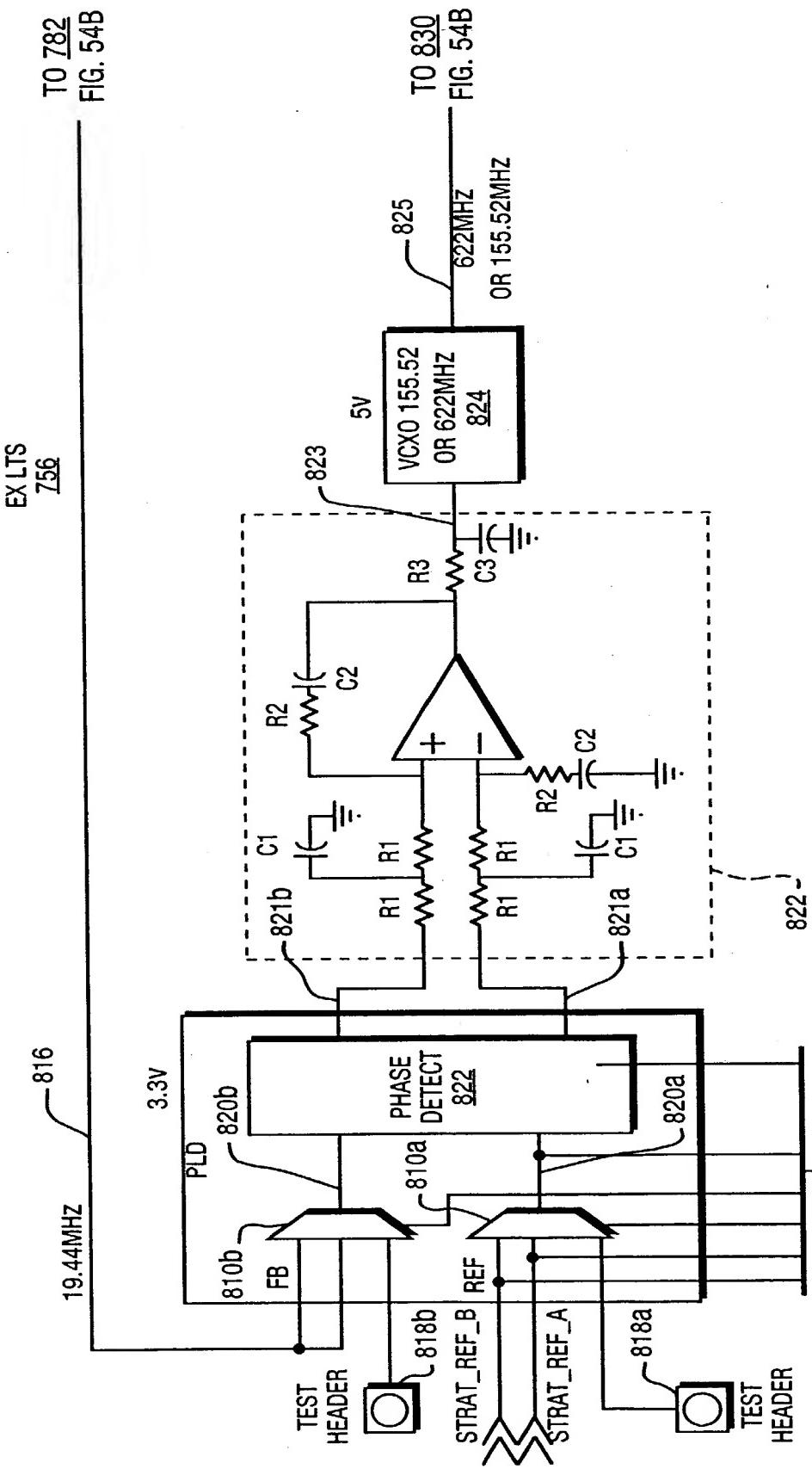


FIG. 54A

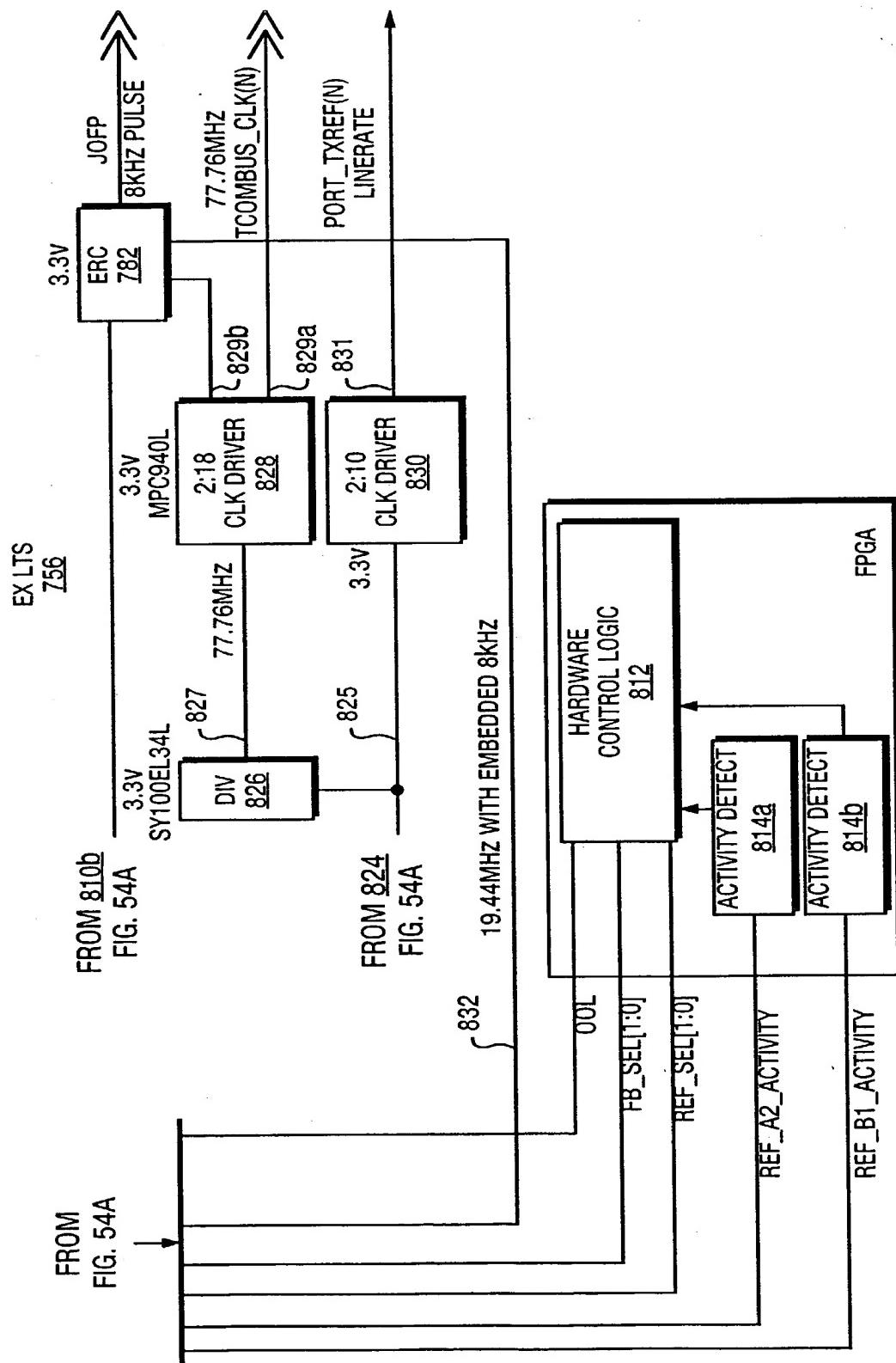


FIG. 54B

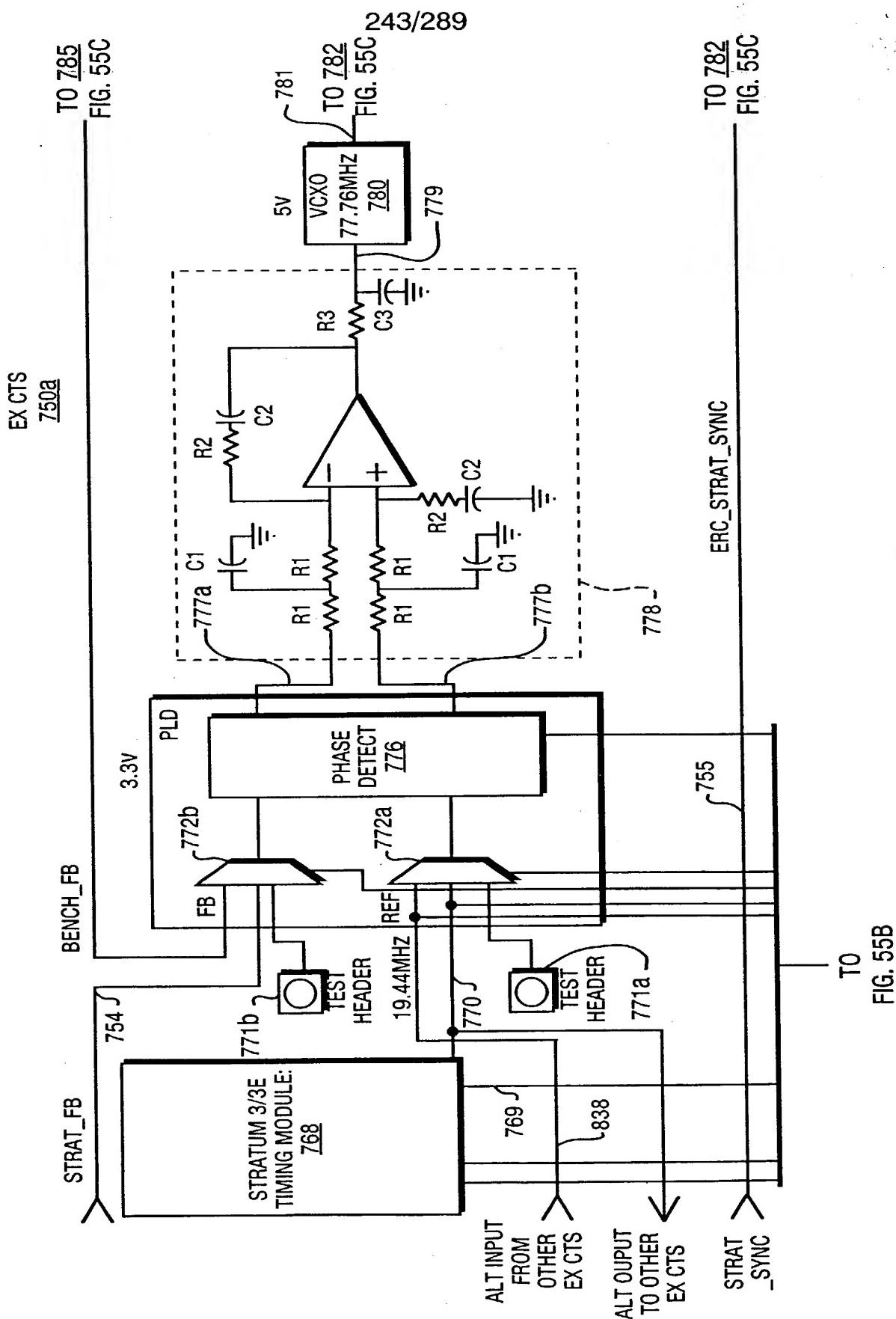


FIG. 55A

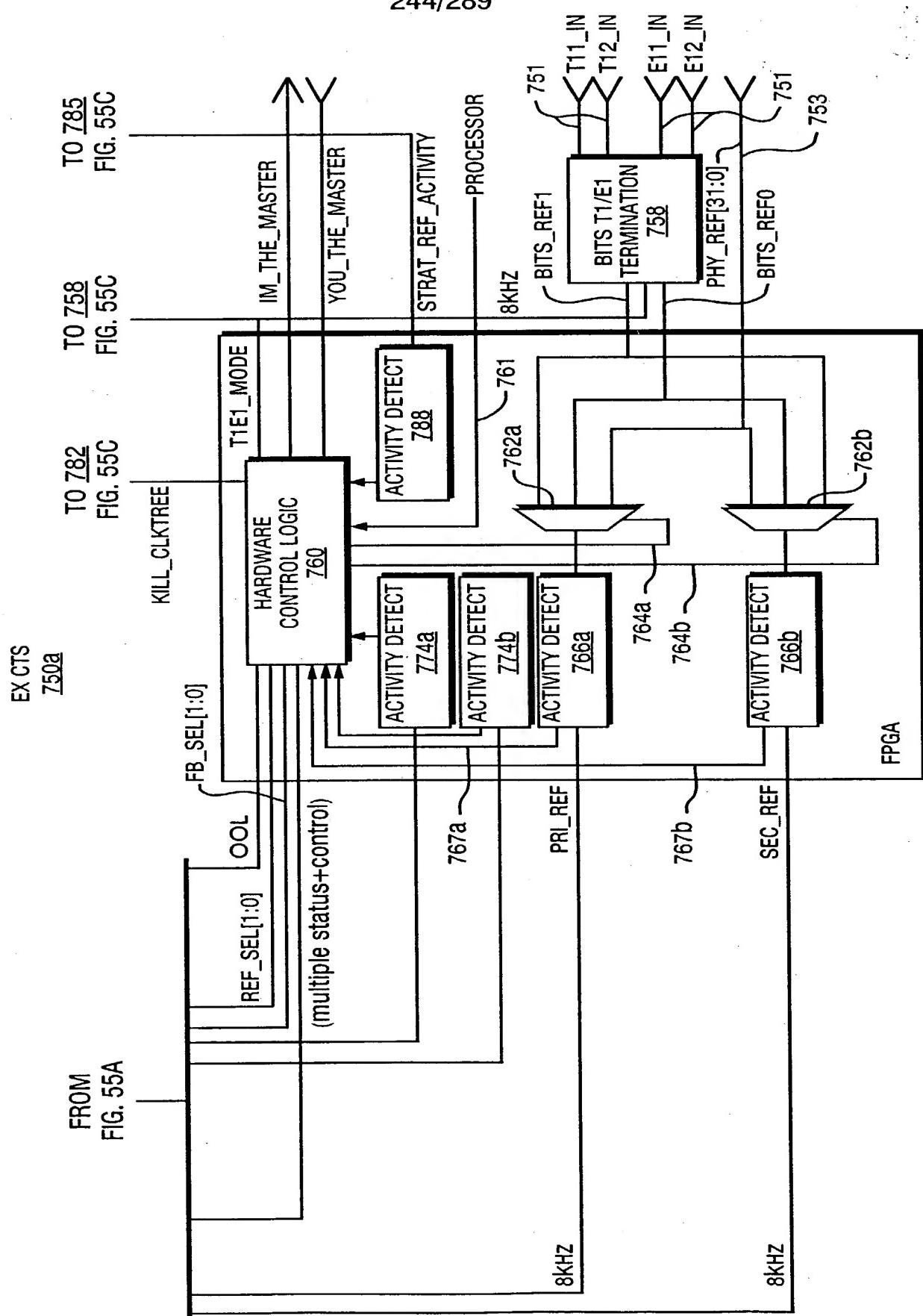
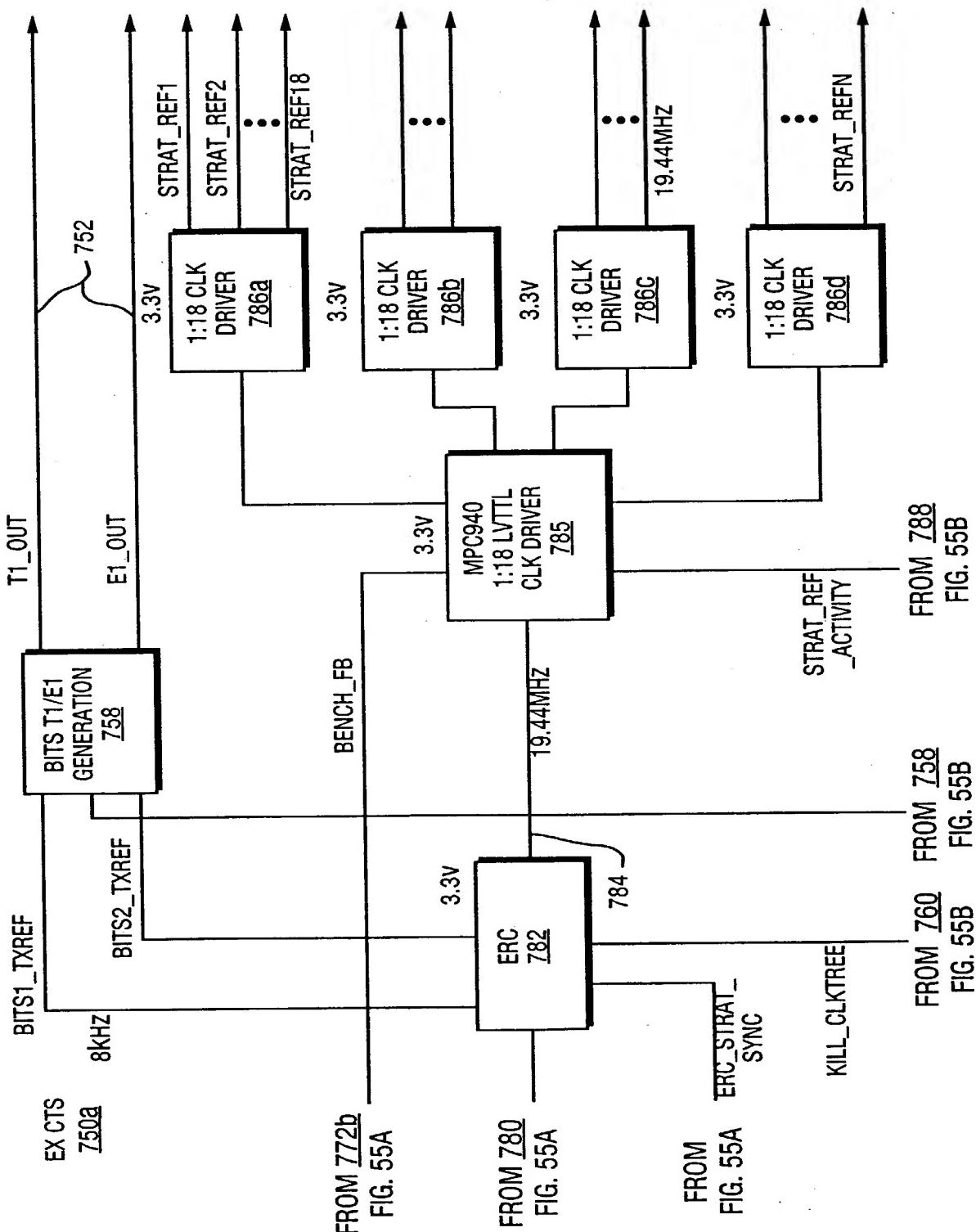


FIG. 55B



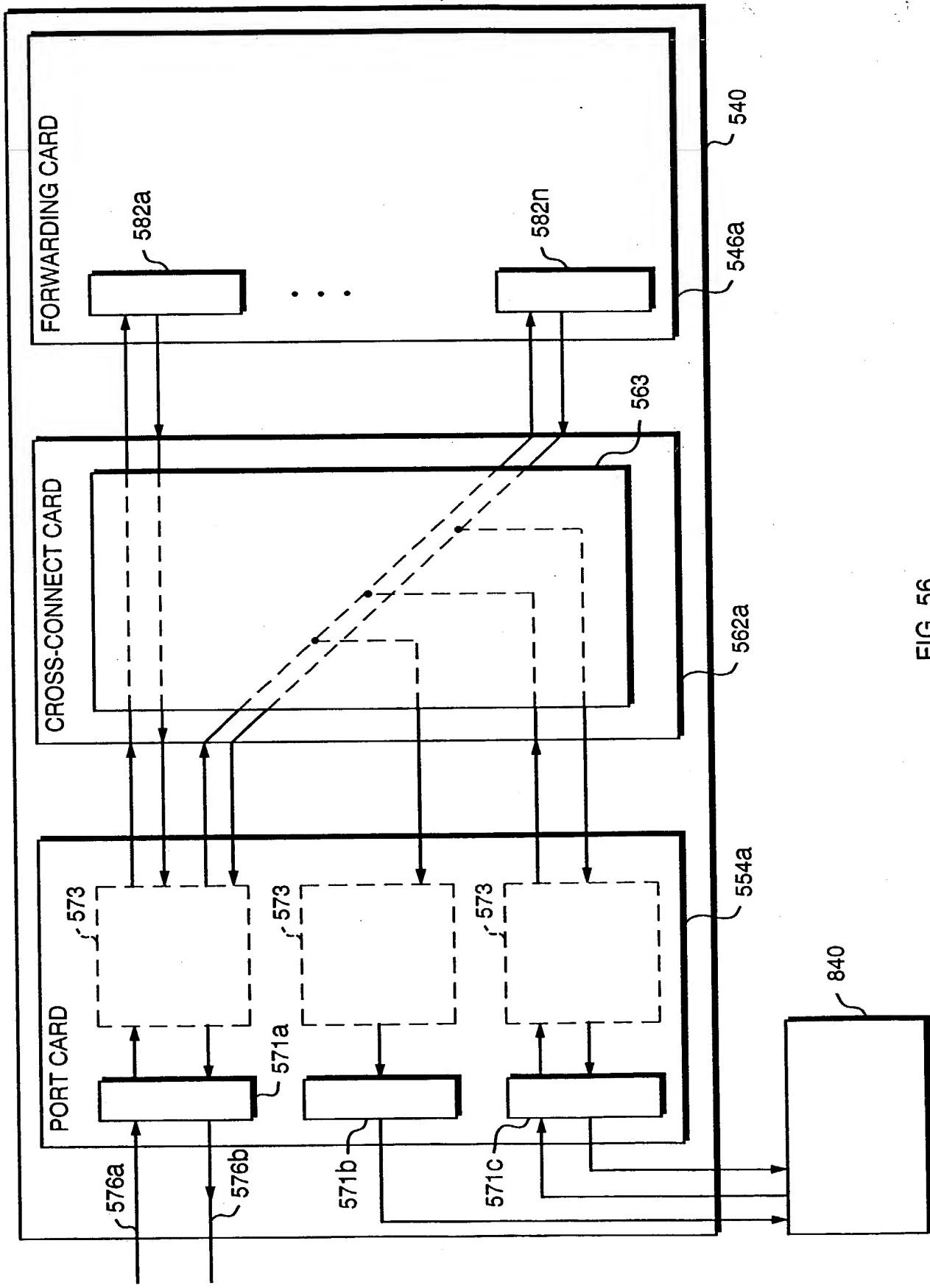


FIG. 56

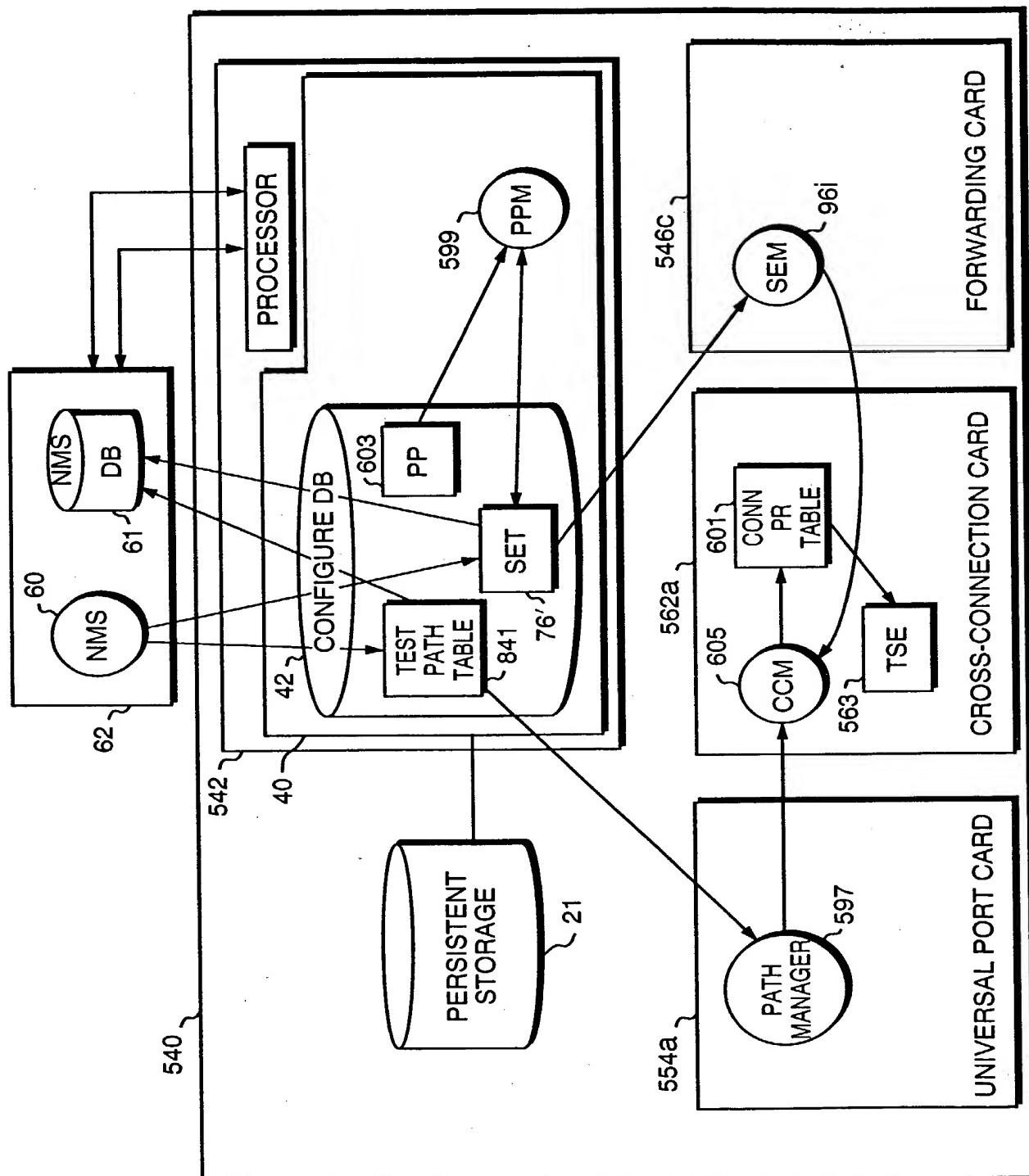


FIG. 57

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TEST PATH TABLE 841

842		843		844		845	
PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	ENABLE PORT RECEIVER	...	
1666	1232	4	3	INGRESS	NO		
1666	1233	4	3	EGRESS	NO		
1666	1233	4	3	INGRESS	YES		
.	
.	
.	.	.	.				

FIG. 58

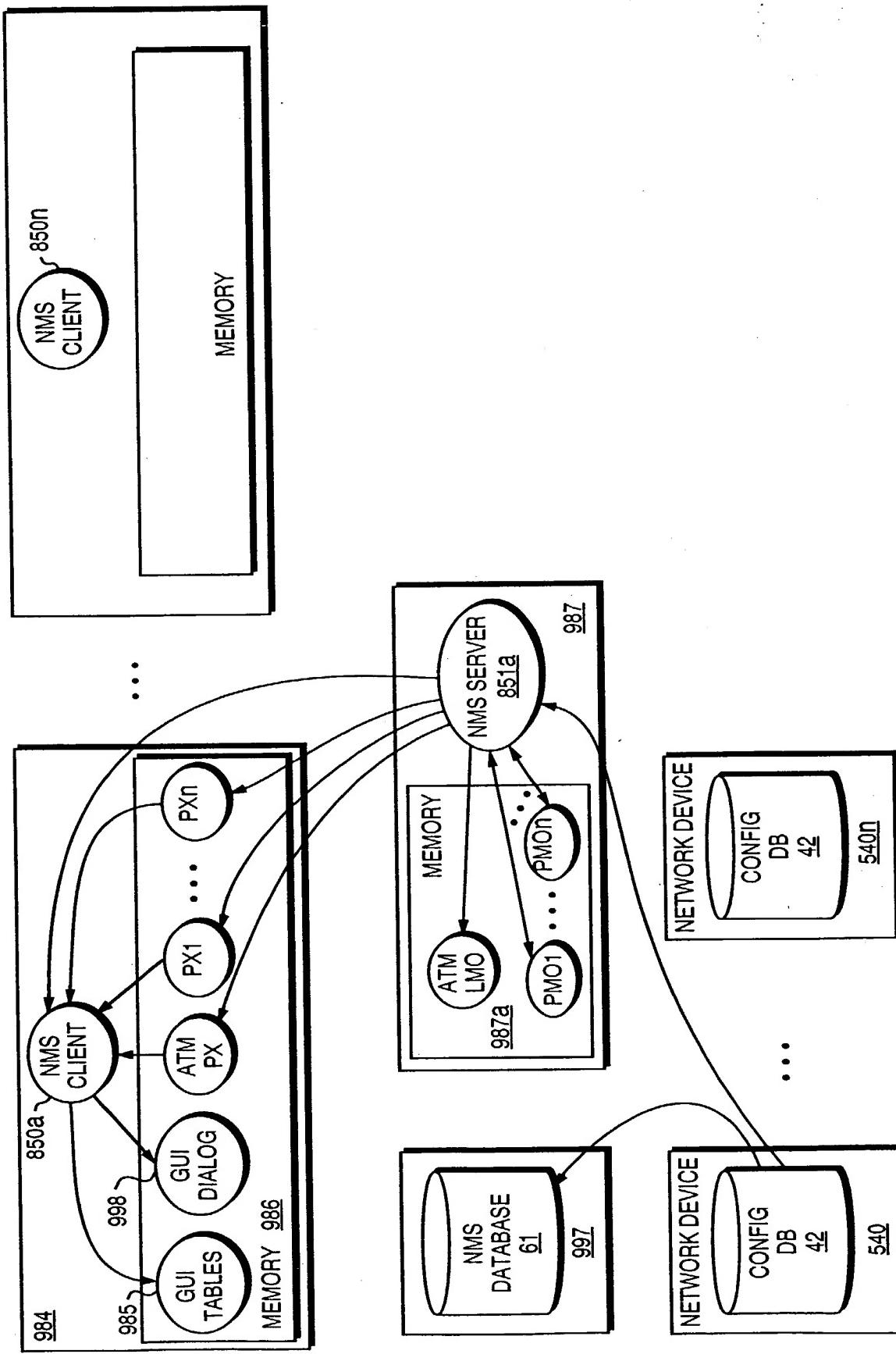


FIG. 59

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MANAGED DEVICE TABLE 983

PID	A1	...	An
1			

FIG 60A

CHASSIS TABLE 988

PID	A1	...	An	MANAGED DEVICE PID
1				1
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60B

SHELF TABLE 989

PID	A1	...	An	CHASSIS PID
3				2
4				2
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
18				2

FIG 60C

SLOT TABLE 990

PID	A1	...	An	SHELF PID
20				3
21				3
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
116				18

FIG 60D

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CARD TABLE 47'

47a

PID	CWD TYPE	VERSION NO.	SLOT PID	...
120	0XF002	3	20	
121	0XF002	4	21	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
124	0X6002	1	24	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
131	0XF002	1	31	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60E

PORT TABLE 49'

49a

PID	PORT TYPE	VERSION NO.	CARD PID	...
300	00620	1	20	
301	00620	1	20	
302	00620	1	20	
303	00620	1	20	
304	00820	1	20	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
400	00620	1	39	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60F

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SONET PATH TABLE 600'

600b

PATH LID	PORT LID	TIME SLOT	# OF TIME SLOTS	...
901	304	4	3	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG. 60G

SERVICE ENDPOINT TABLE 76''

76c 76d 76e 76b

SE LID	Q #	FC PID	FC SLICE PID	FC TIME SLOT	PATH LID	...
3000					901	
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•

FIG. 60H

ATM IF TABLE 114''

114b

ATM IF LID	ATM GROUP LID	SE LID	...
5054		3000	...
•	•	•	...
•	•	•	...
•	•	•	...

FIG. 60I

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VIRTUAL ATM IF TABLE 993

LID	A1	...	An	ATM IF LID
7489				5054
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60J

VIRTUAL CONNECTION TABLE 994

LID	A1	...	An	VIR. ATM IF LID
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60K

VIRTUAL LINK TABLE 995

LID	A1	...	An	VIR. CONN. LID	CROSS. CONN. LID
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•

FIG 60L

CROSS-CONNECT TABLE 996

LID	A1	...	An	VIR. LINK1 LID	VIR. LINK2 LID
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•

FIG 60M

ATM NODE TABLE 999

LID	A1	...	An	MANAGED DEVICE PID
5000				1

FIG 60N

PHYSICAL MANAGED OBJECT 991

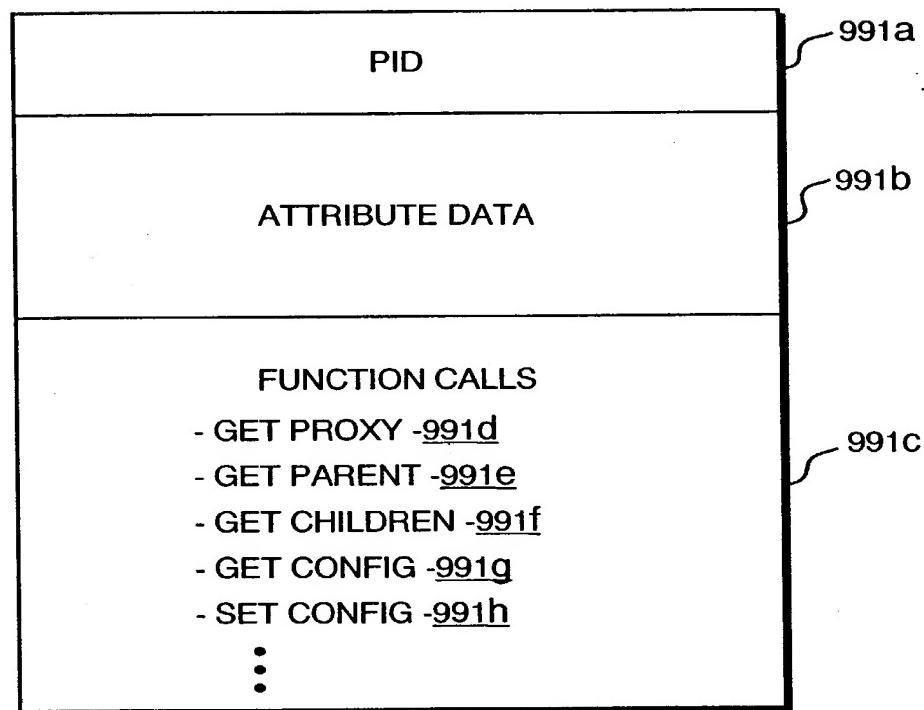


FIG. 61A

PROXY 992

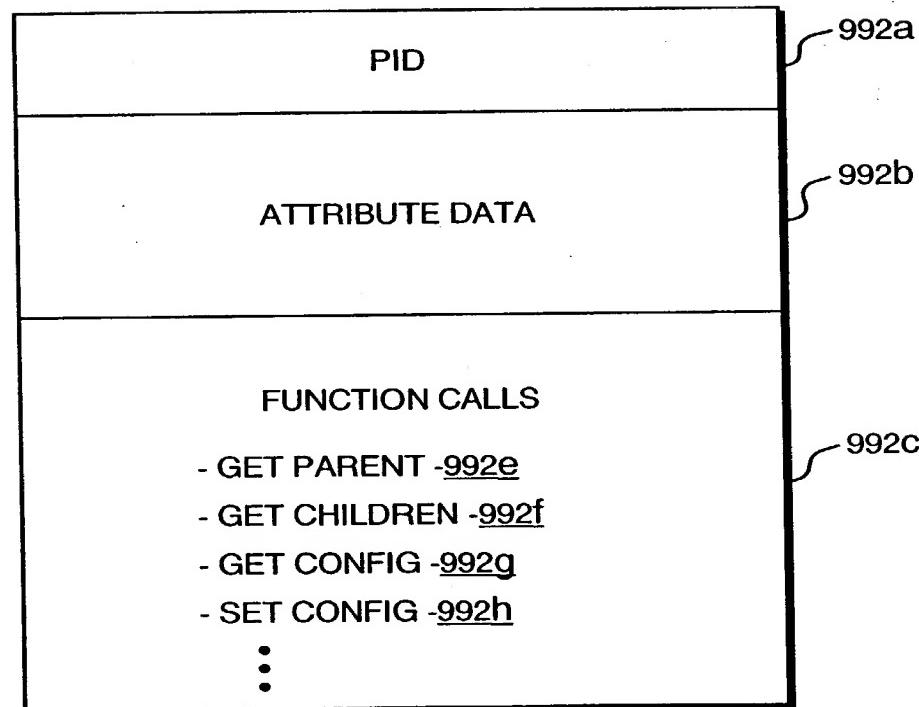


FIG. 61B

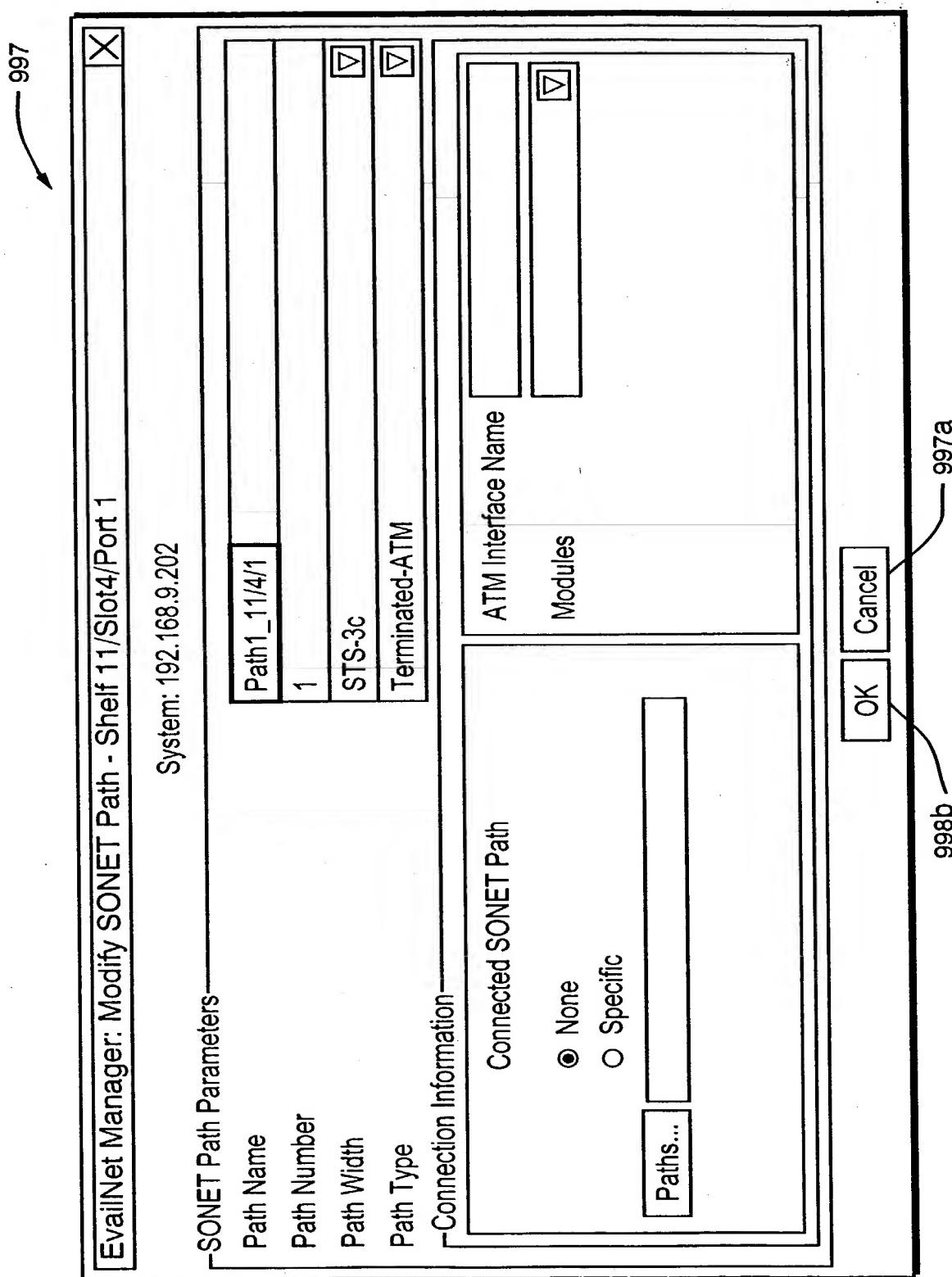
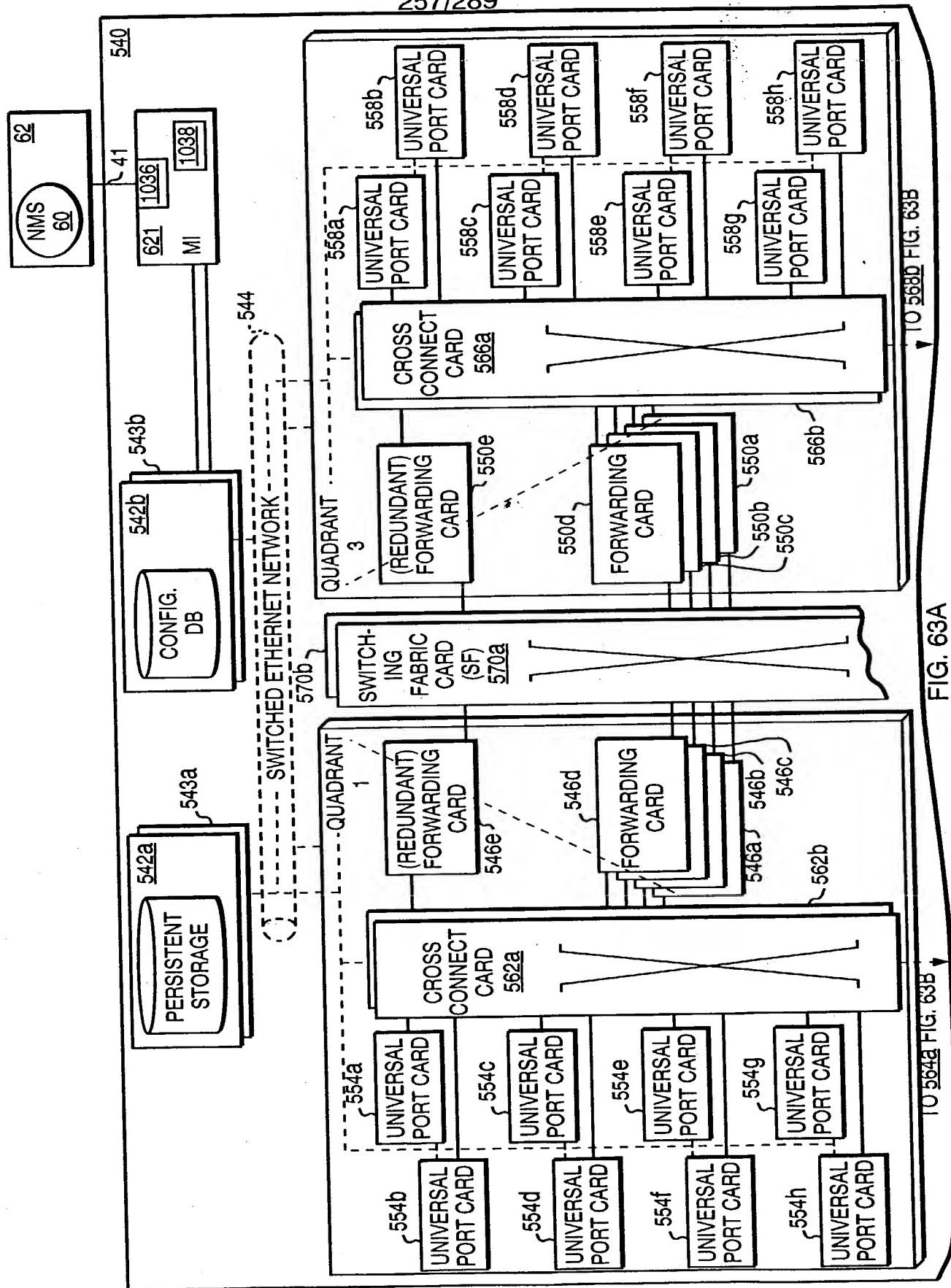
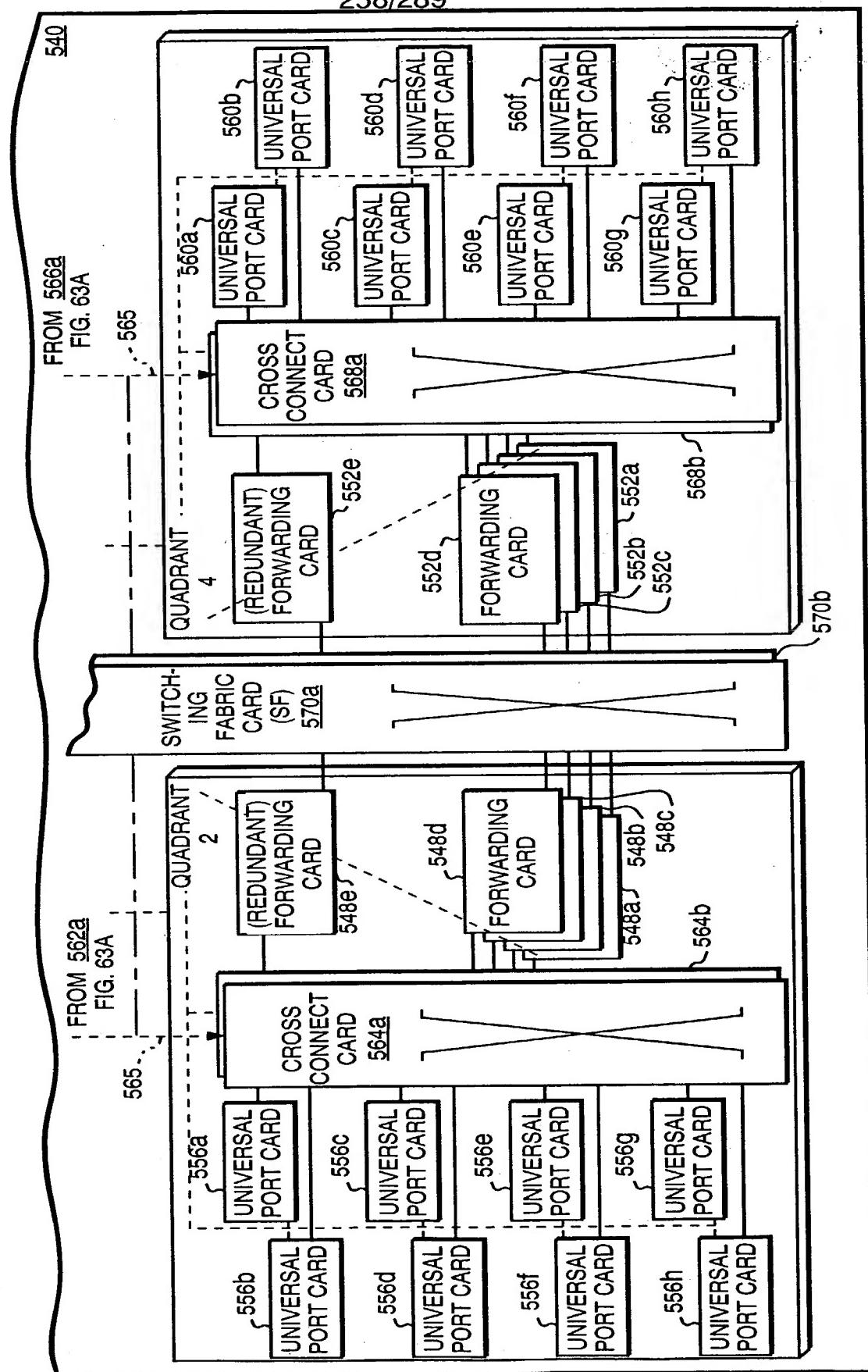


FIG. 62





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ADMINISTRATION MANAGED DEVICE TABLE 1014'

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD	PHYSICAL ID	PHYSICAL ID
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3		
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•

FIG. 64

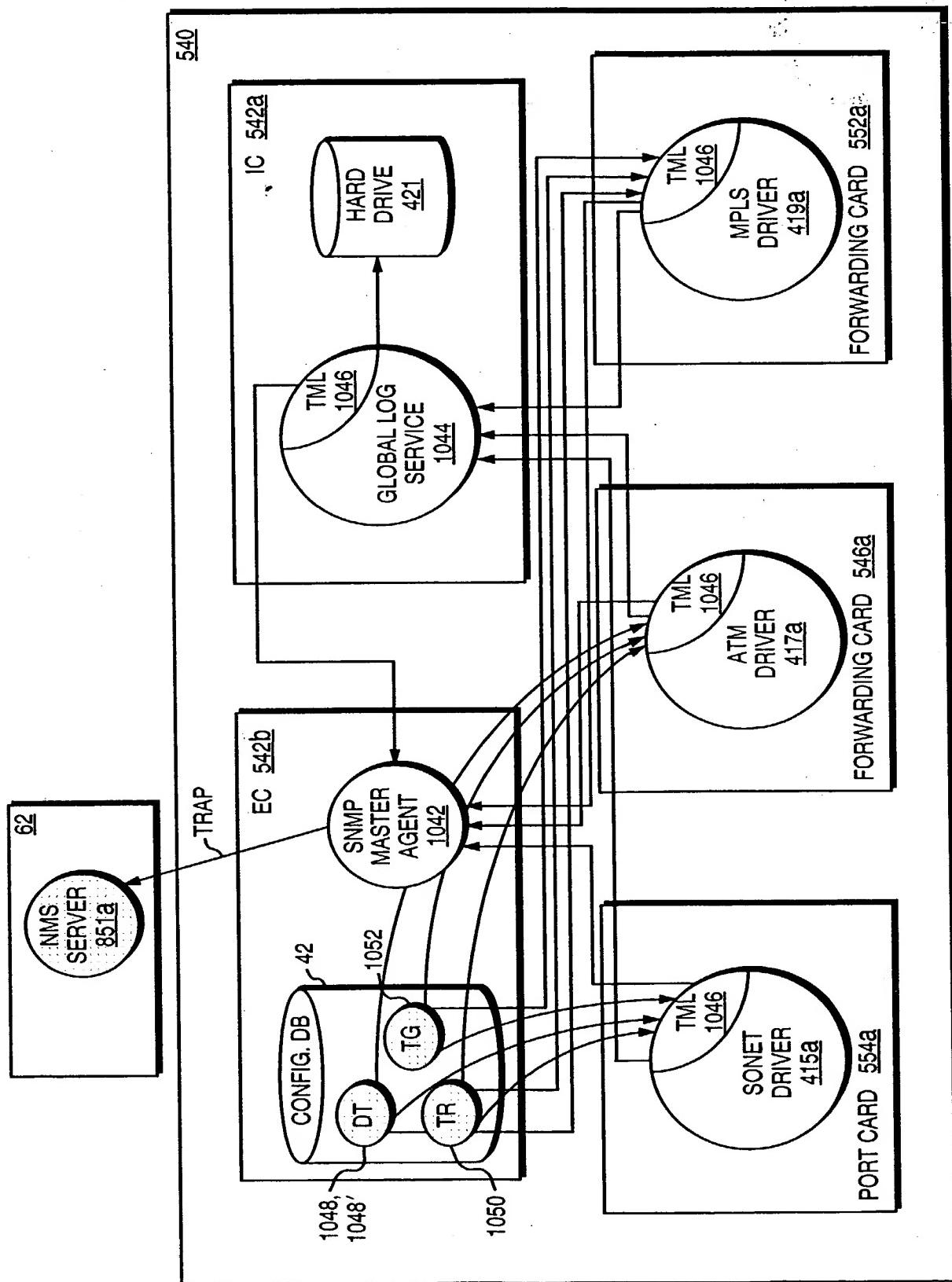


FIG. 65

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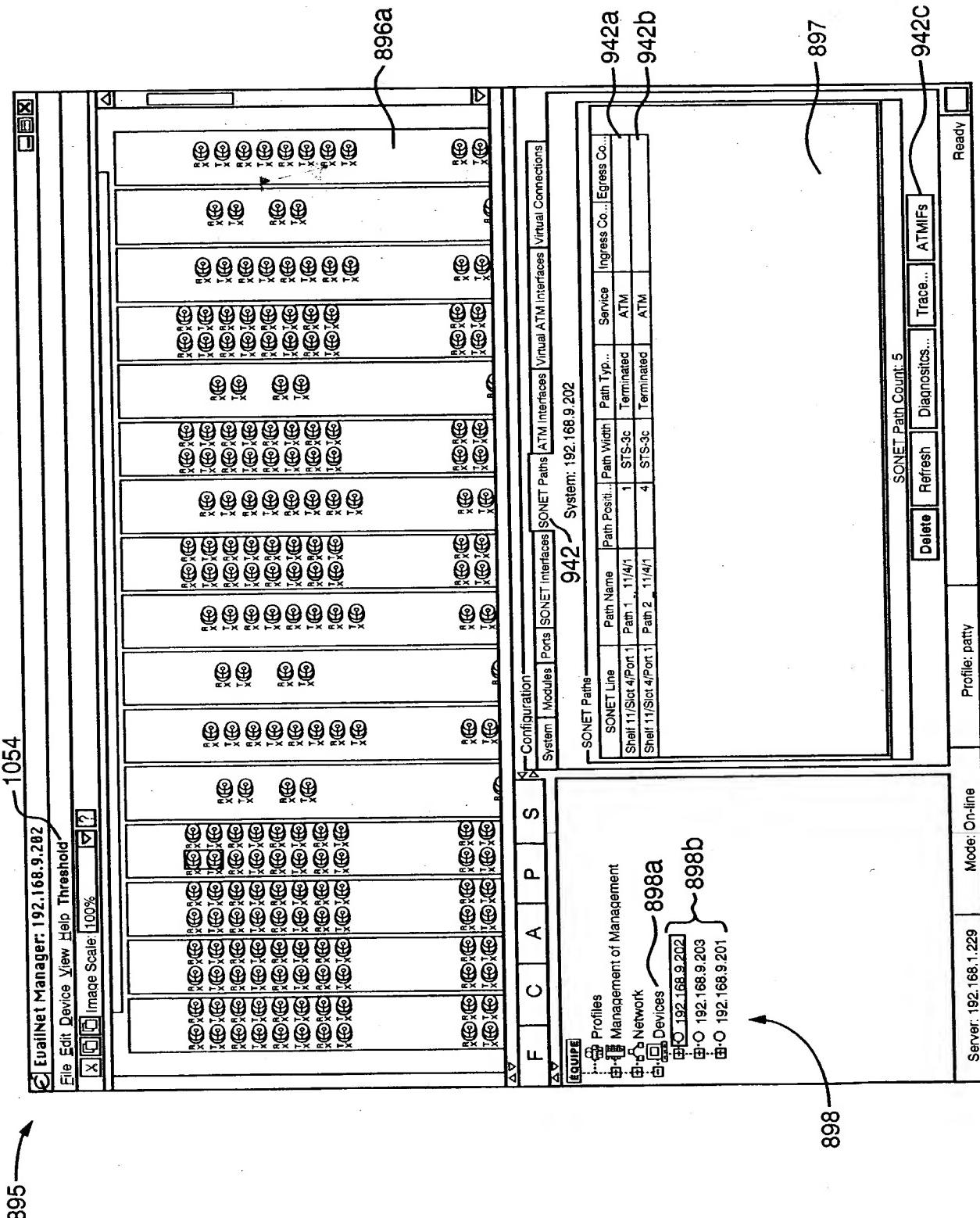


FIG. 66A

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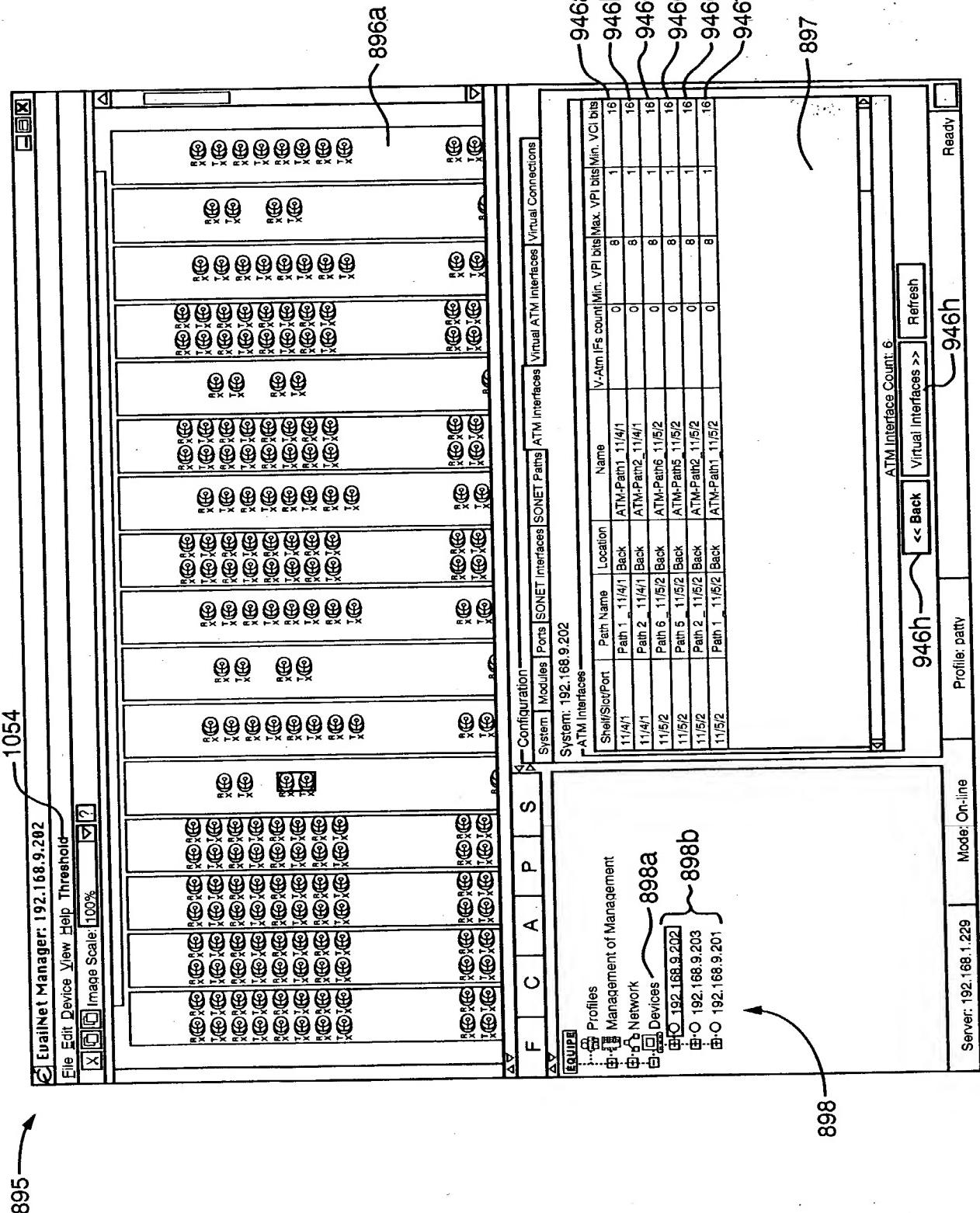


FIG. 66B

102689-85

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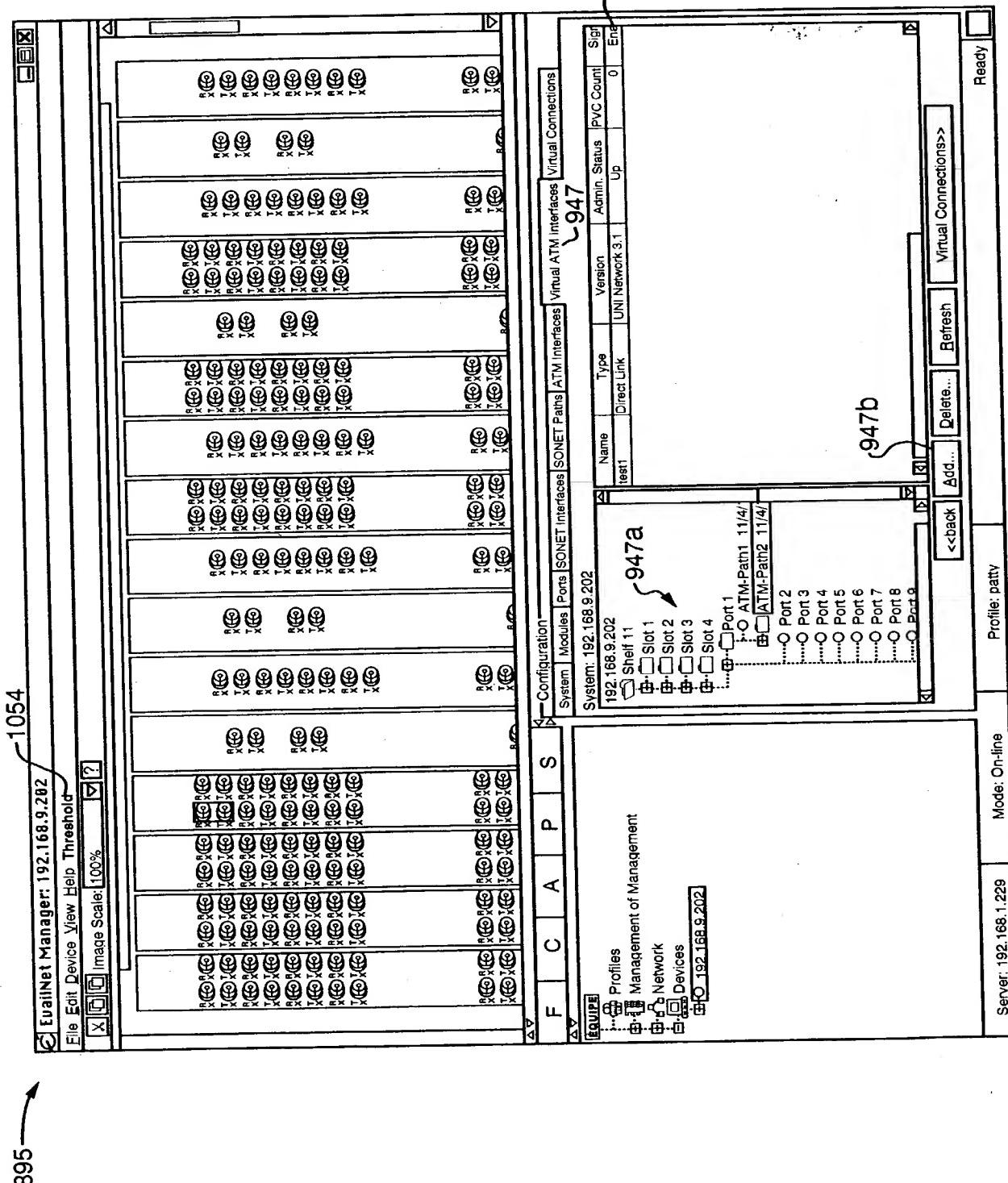


FIG. 66C

102689-85

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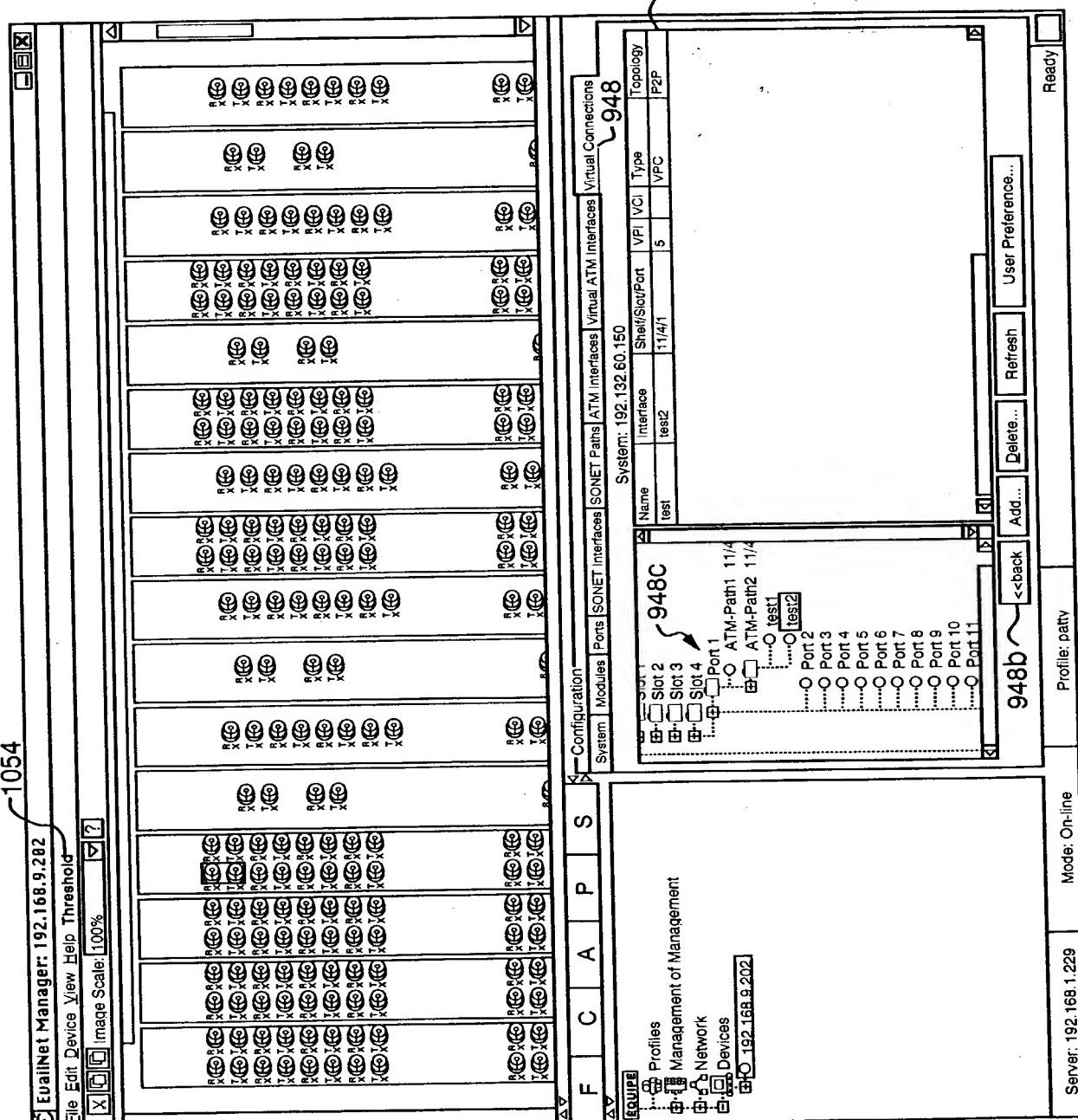


FIG. 66D

102689-85

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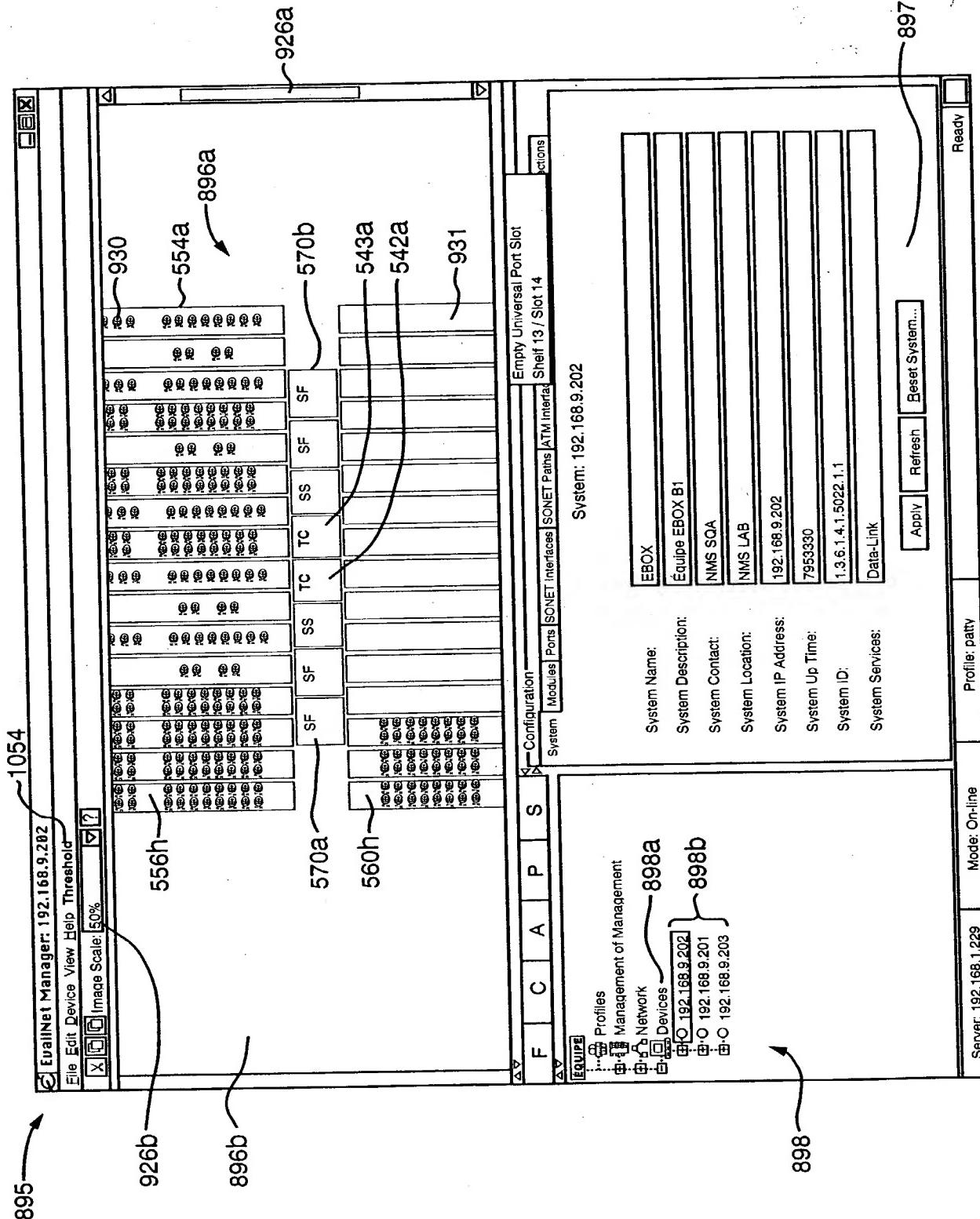


FIG. 66E

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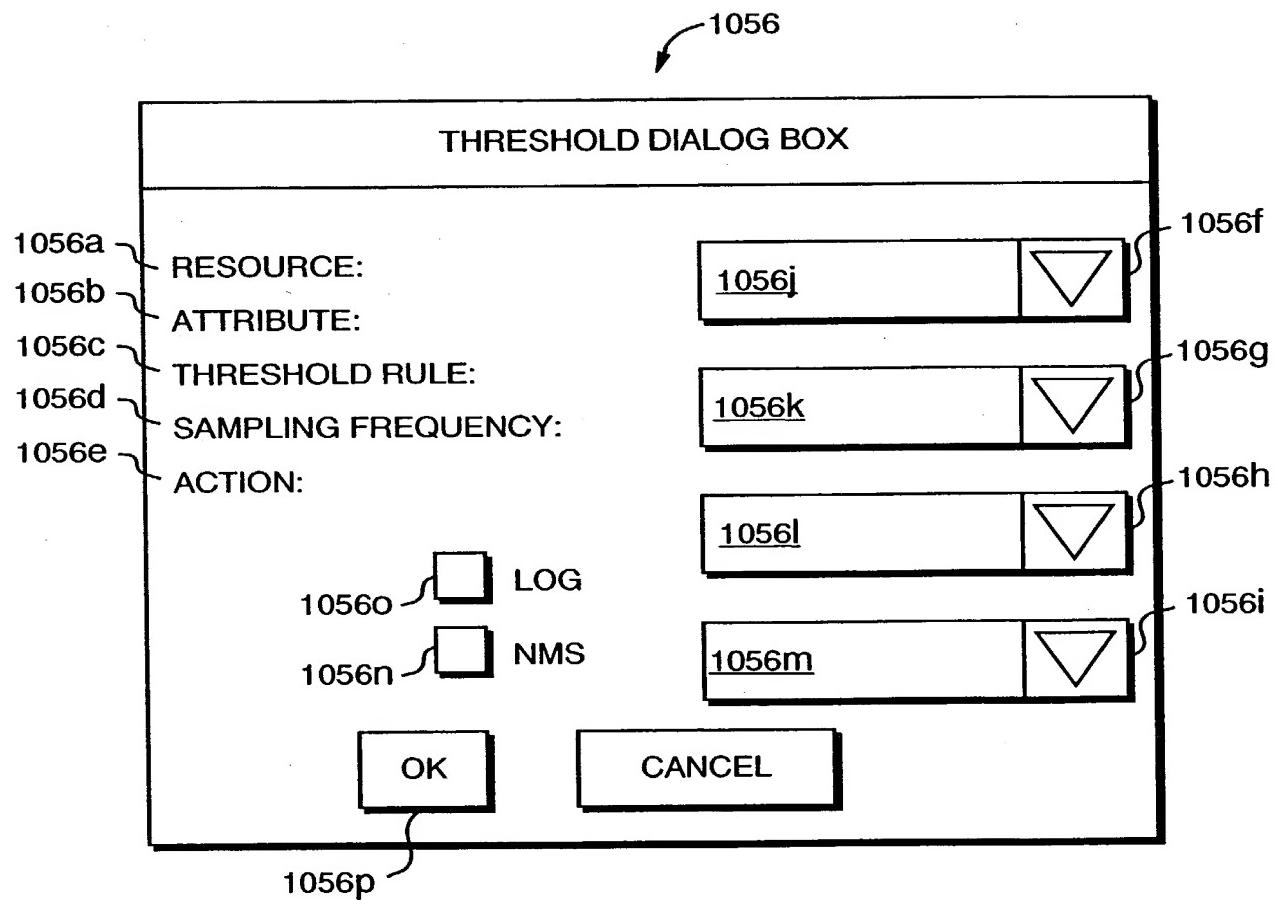


FIG. 67

DYNAMIC THRESHOLD TABLE		1048	
1048a	1048C	1048d	1048e
RESOURCE ID	ATTRIBUTE	SAMPLING FREQ.	ACTION
1048g	UNAVAILABLE SECONDS (PATH END)	15 min	LOG IF ATTRIBUTE > 10
901	PATH ERRORS (PATH END)	15 min	TRAP IF ATTRIBUTE < 5 OR > 10
901	PATH ERRORS (PATH END)	5 min	LOG & TRAP IF ATTRIBUTE < 5 OR > 10
...
5054	FAILED CALL ATTEMPTS	10 min	TRAP IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
1048h	HCS ERRORS	12 min	TRAP IF ATTRIBUTE > 13
...
7312	RX TRAFFIC	1 HOUR	TRAP IF ATTRIBUTE < 4
7312	TX TRAFFIC	1 HOUR	TRAP IF ATTRIBUTE = 0
...

FIG. 68

DYNAMIC THRESHOLD TABLE 1048'

THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR >10
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR >10
•	•	•	•	•	•
•	•	•	•	•	•
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
8433	ATM IF	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
•	•	•	•	•	•
•	•	•	•	•	•
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
•	•	•	•	•	•
•	•	•	•	•	•

FIG. 69A

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THRESHOLD GROUP TABLE 1052

RESOURCE ID	THRESHOLD GROUP LID
901	8312
902	8313
903	8312
•	•
•	•
•	•
5054	8433
•	•
•	•
•	•
7312	8542

FIG. 69B

DYNAMIC THRESHOLD TABLE 1048''

1048a''		1048b''		1048c''		1048d''		1048e''		1048f''		1048g''		1048h''		1048i''		1048j''		1048k''		1048l''		1048t''	
THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE LID	VARIAB. a	VARIAB. b	VARIAB. c	VARIAB. d	VARIAB. e	VARIAB. f	VARIAB. g	VARIAB. h	VARIAB. i	VARIAB. j	VARIAB. k	VARIAB. l	VARIAB. m	VARIAB. n						
1048u''	8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10																		
	8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10																	
	8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10																	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮			
	8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am													
	8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13			⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮			
		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮			
	8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	9424	4																		
	8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	9425																			
		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮			

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FIG. 70A

THRESHOLD RULE TABLE 1050

1050a 1050c	RULE LID	EXPRESSION	1050b
	9421	IF ATTRIBUTE > a	
	9422	IF ATTRIBUTE < a OR > b	
	9423	IF ATTRIBUTE > a BETWEEN b-c OR > d BETWEEN e-f	
	9424	IF ATTRIBUTE < a	
	9425	IF ATTRIBUTE = 0	
	9426	RMON	
	9427	FOE	
	9428	IF ATTRIBUTE < a GO TO RULE LID b	
	• • •	• • •	

FIG. 70B

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DYNAMIC THRESHOLD TABLE 1048

THR. GROUP ID		RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE ID	VARIAB. a	VARIAB. b	VARIAB. c	VARIAB. d	VARIAB. e	VARIAB. f	VARIAB. g	VARIAB. h	VARIAB. i	VARIAB. j	VARIAB. k	VARIAB. l	ACTIVE/INACTIVE
1048U''	8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10												
	8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10											
	8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10											
	8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am							
1048V''	8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13												
	8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	9424	4												
	8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	9425													
1048X''	8588	HARD DRIVE	UNUSED DISK SPACE	5 min	LOG	9428	80	9424											
	8588	HARD DRIVE	UNUSED DISK SPACE	30 sec	TRAP	9424	20												
1048Y''																			

FIG. 71

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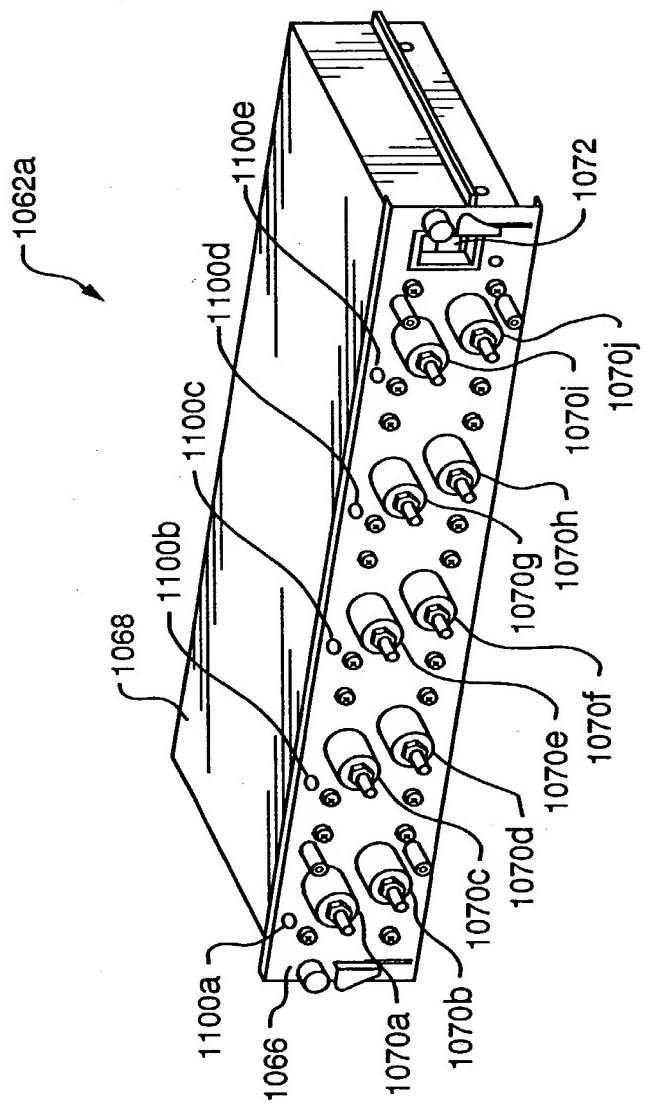


FIG. 72A

102689-85

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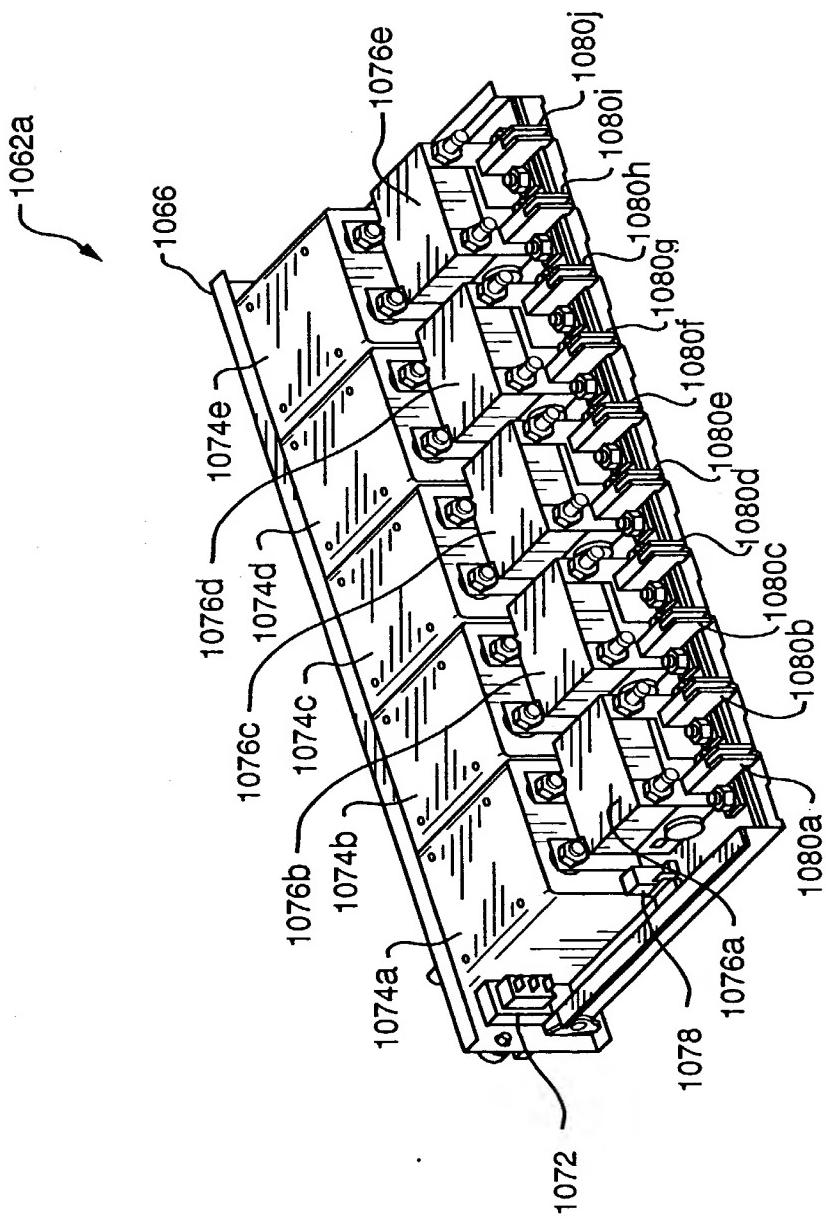
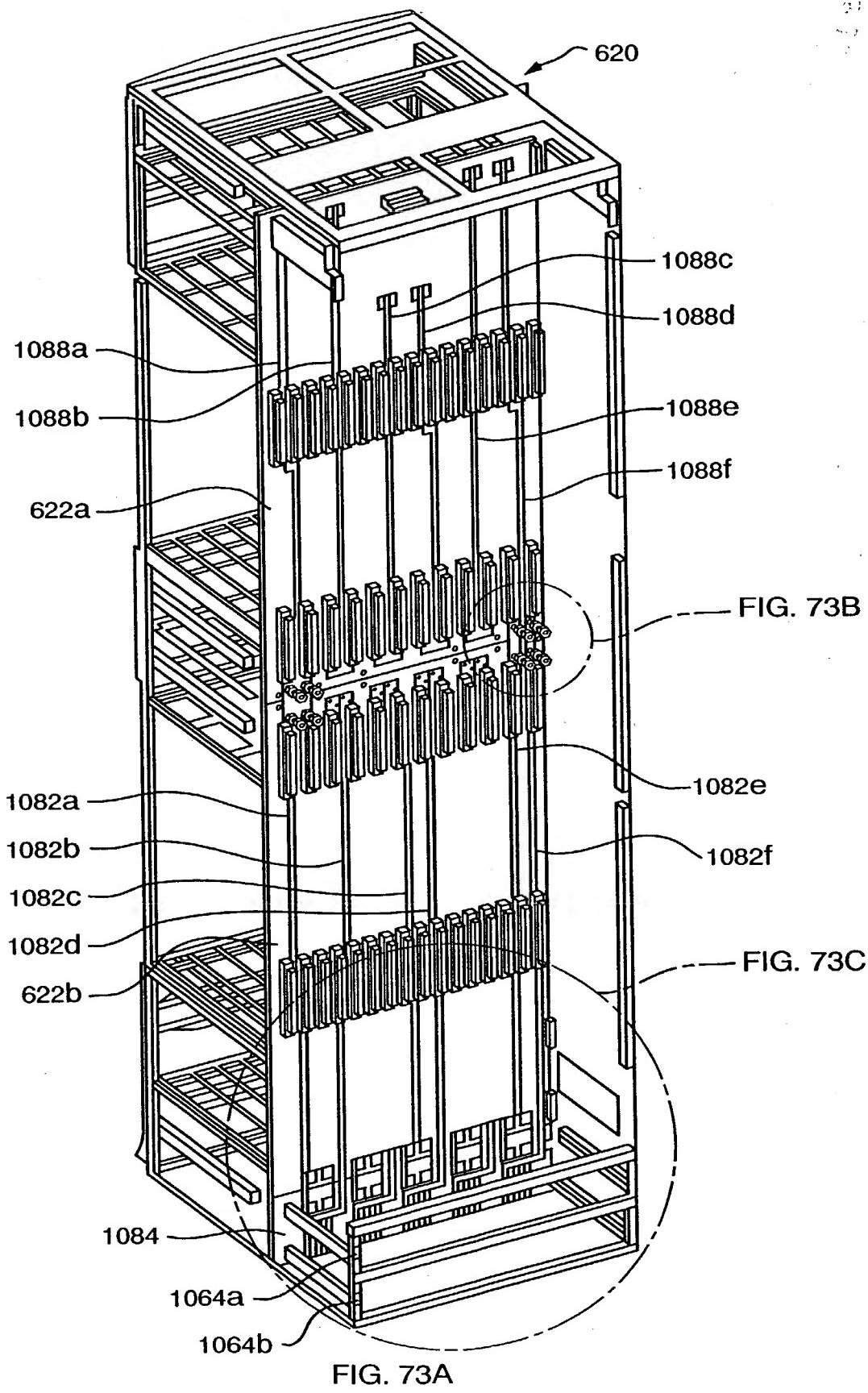


FIG. 72B

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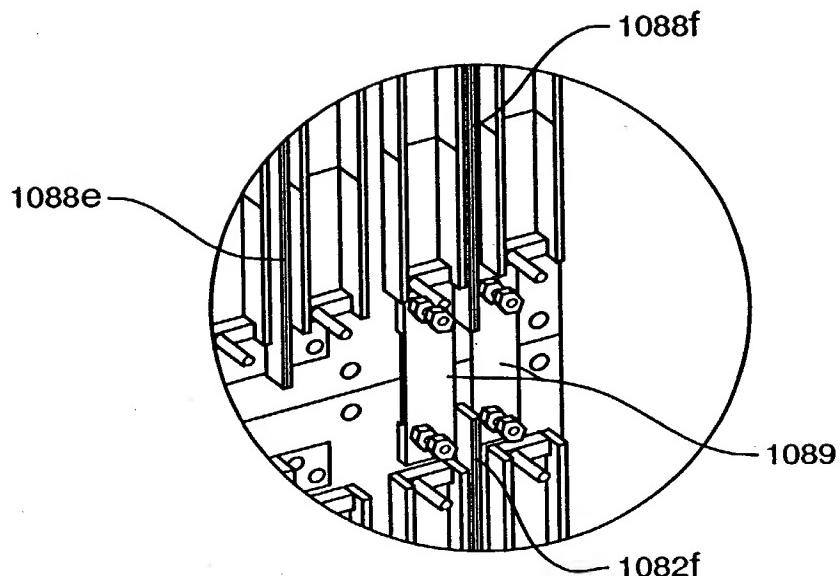


FIG. 73B

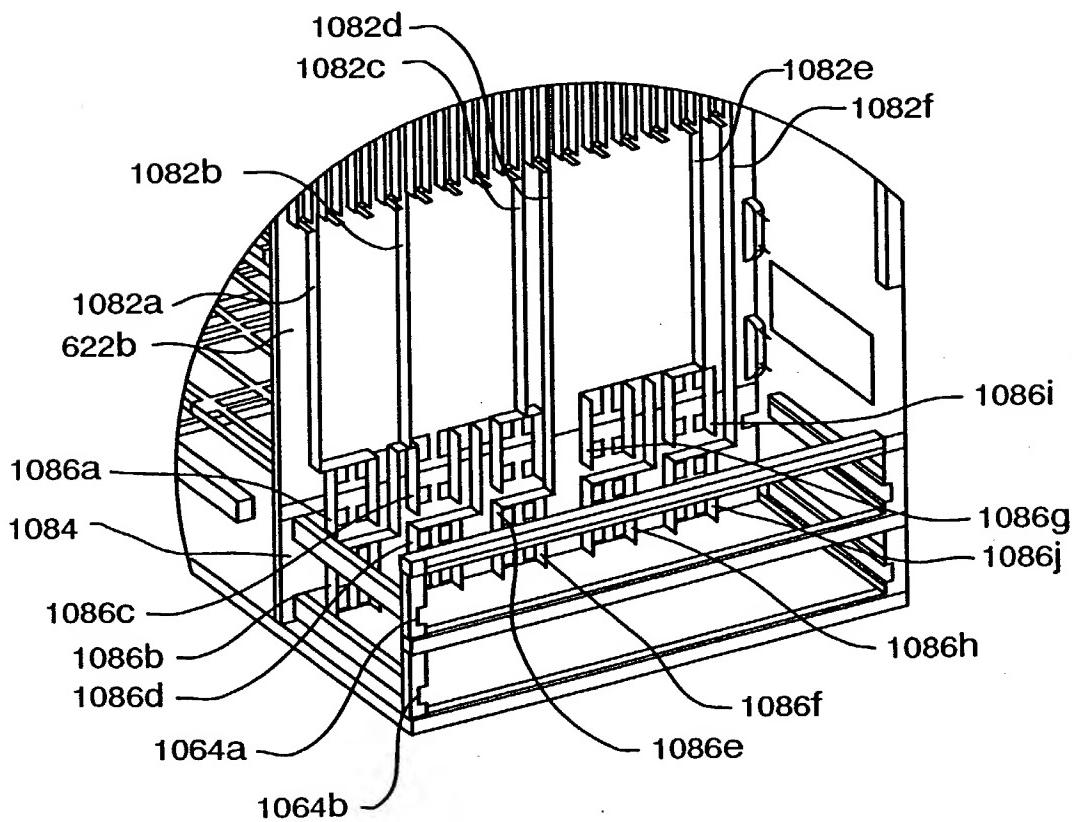


FIG. 73C

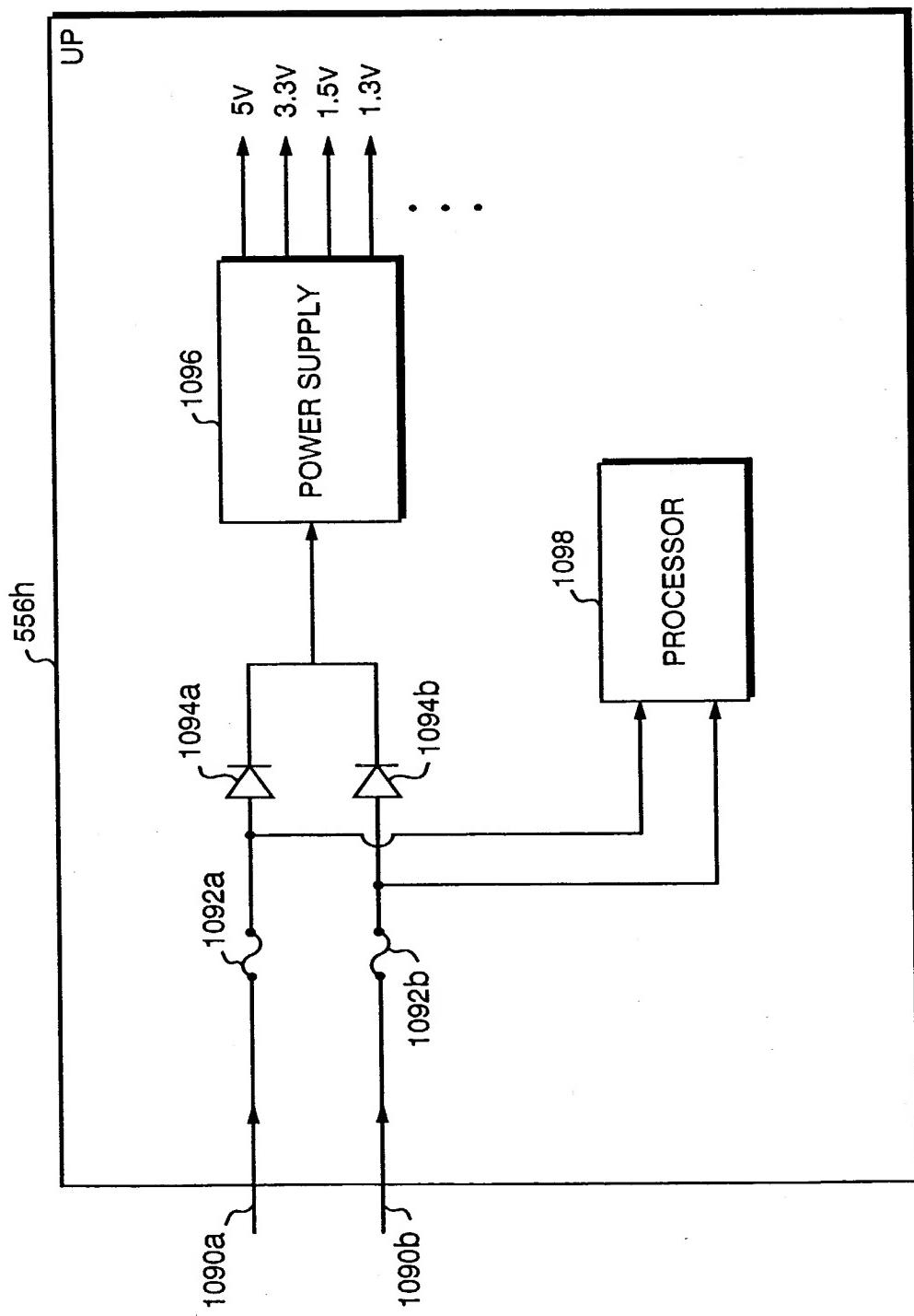


FIG. 74

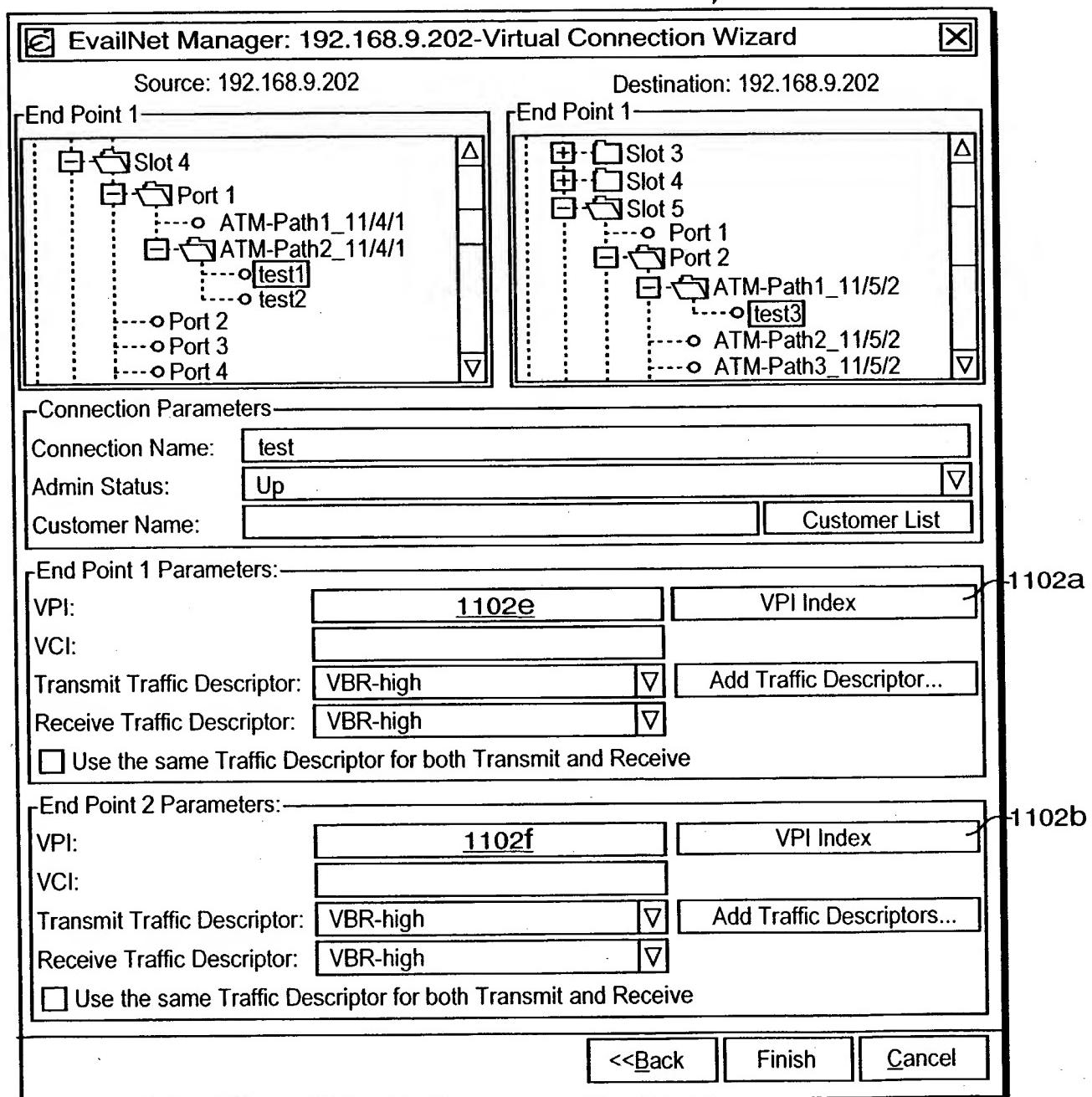


FIG. 75

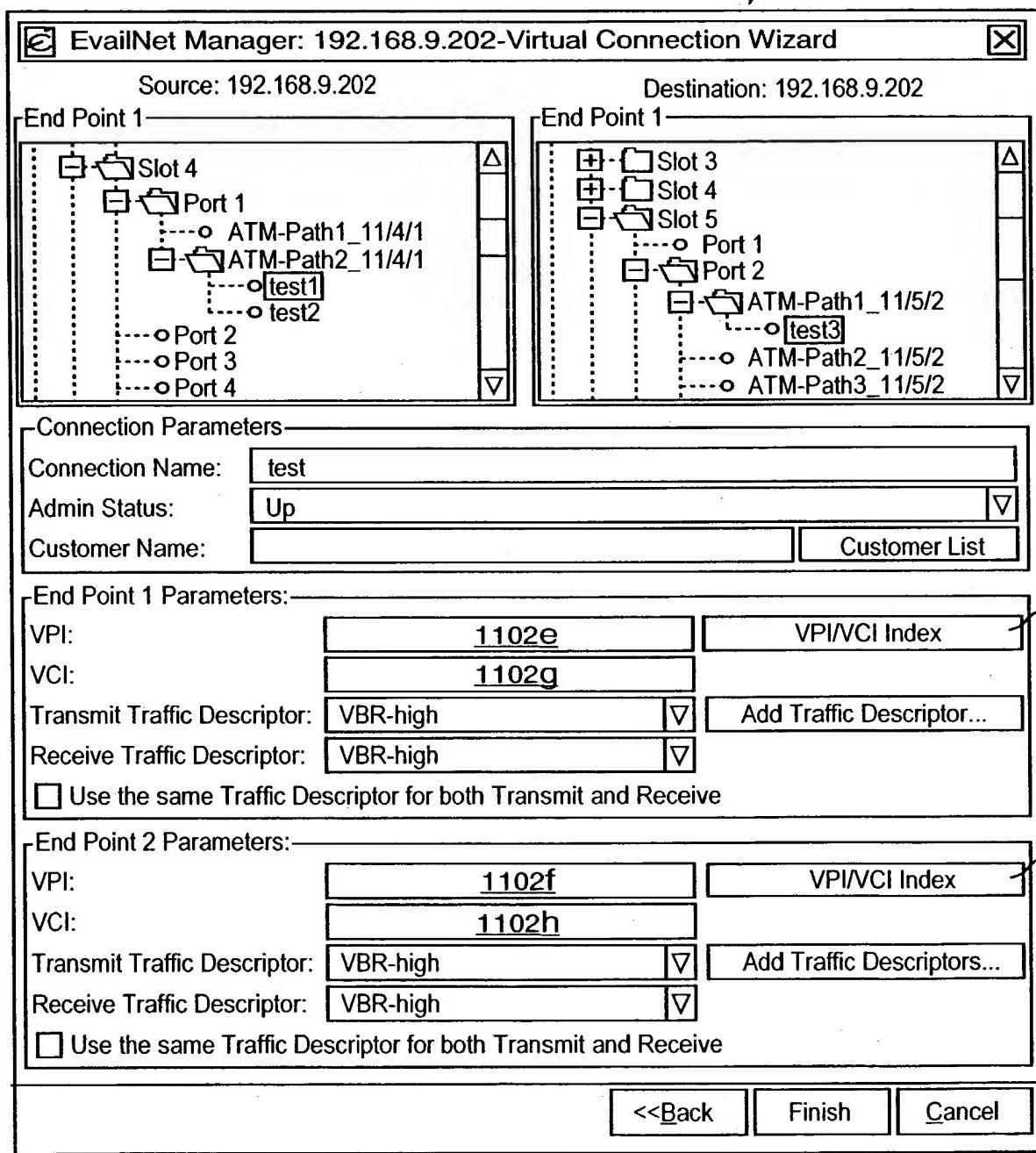


FIG. 76

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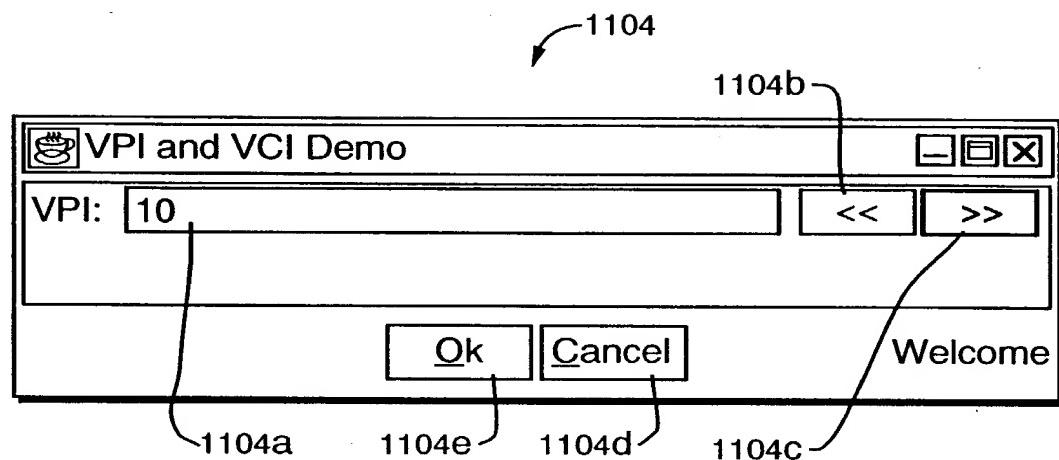


FIG. 77

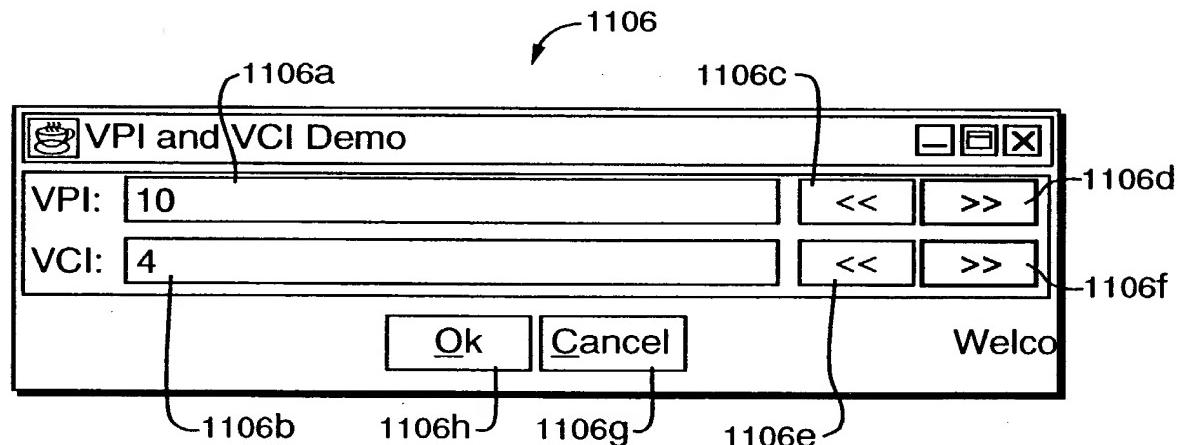


FIG. 78

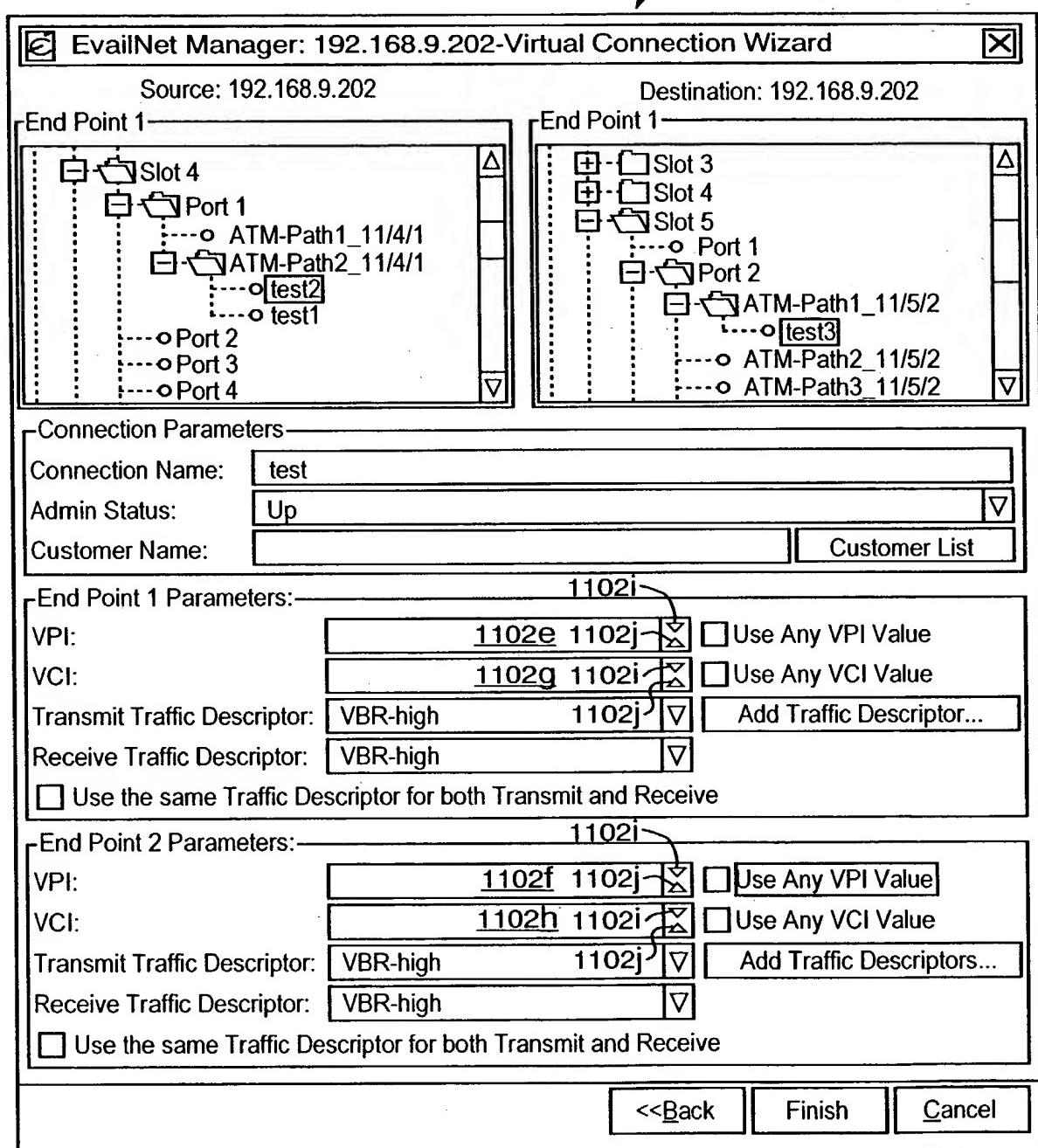
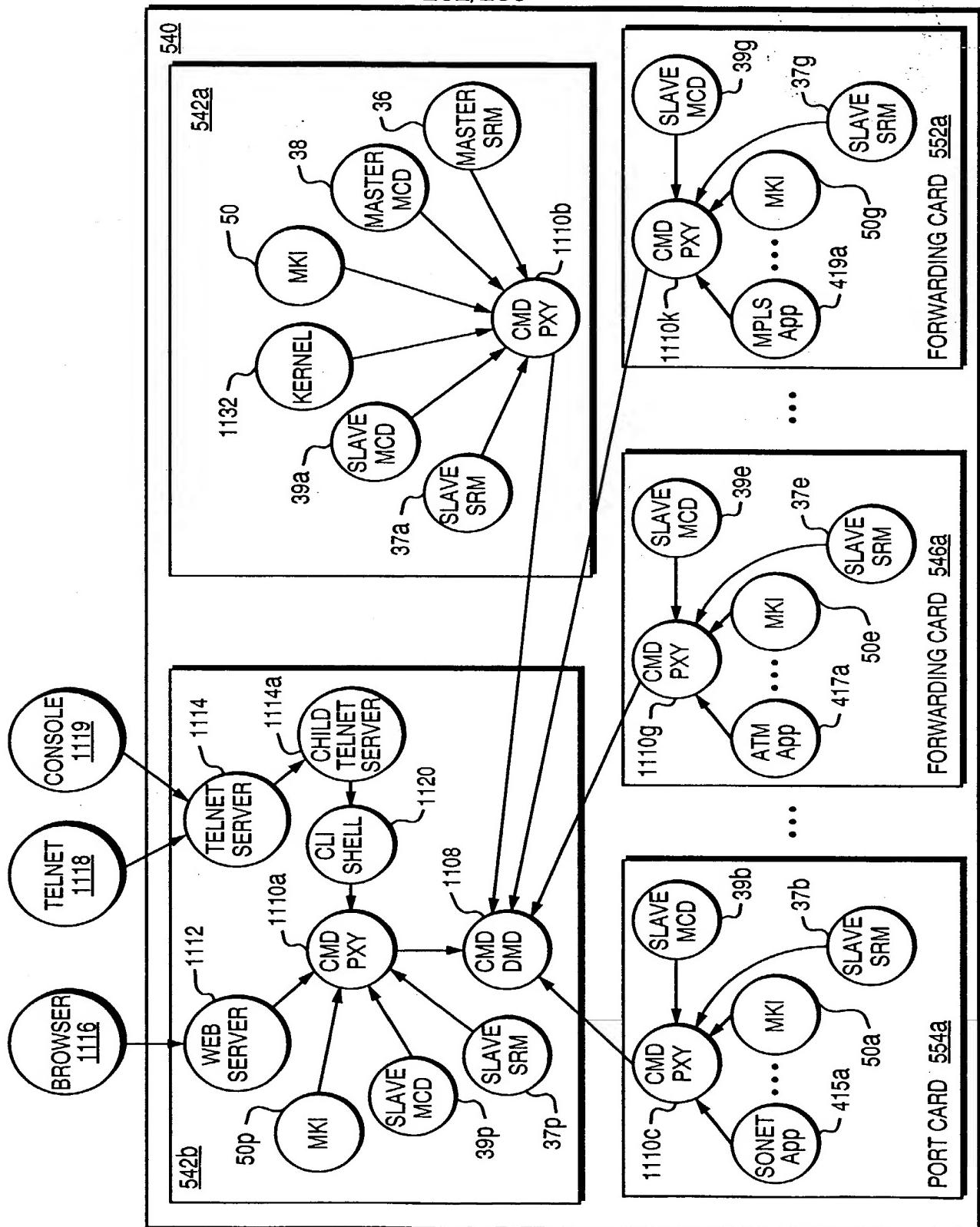


FIG. 79



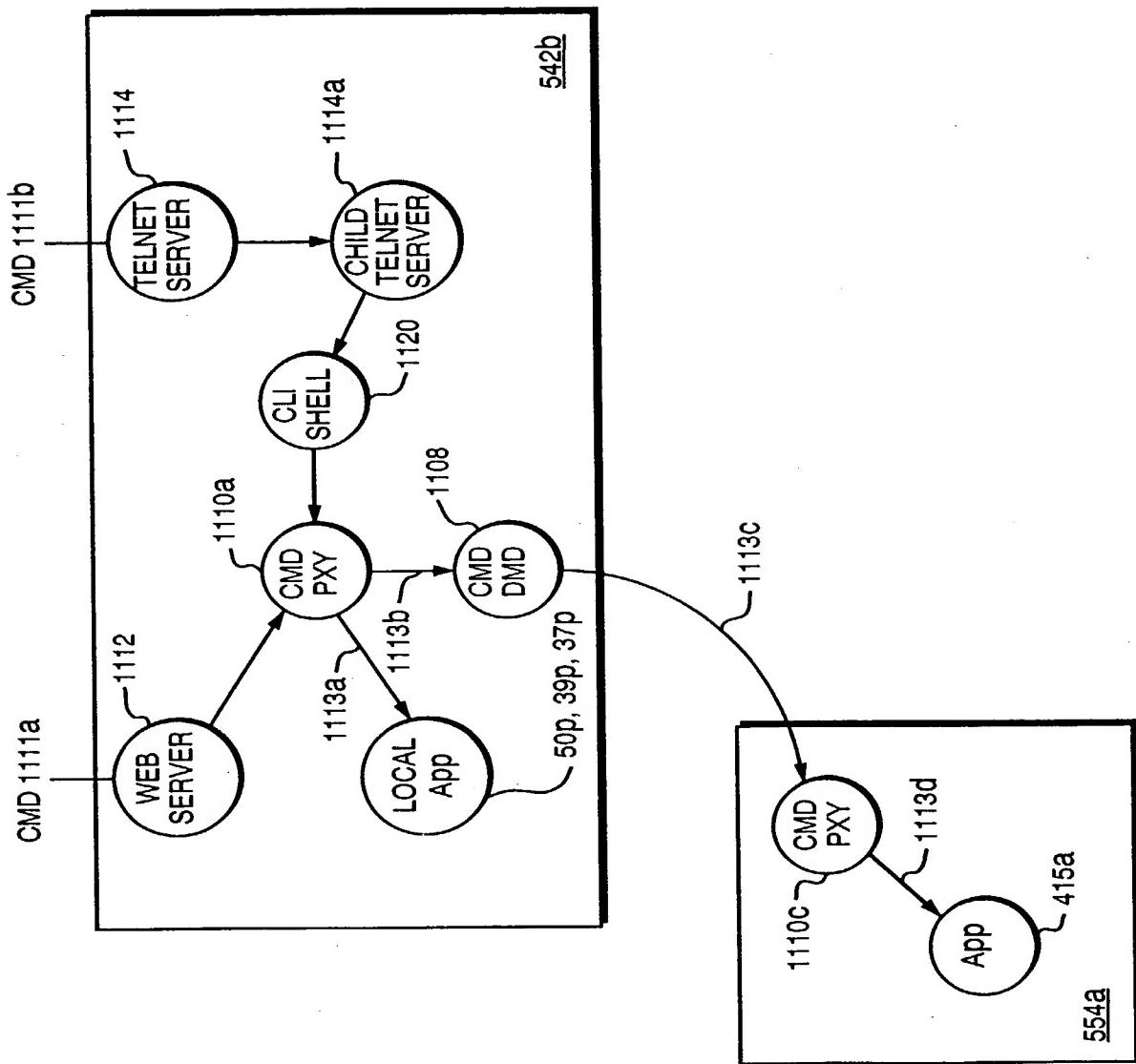


FIG. 81

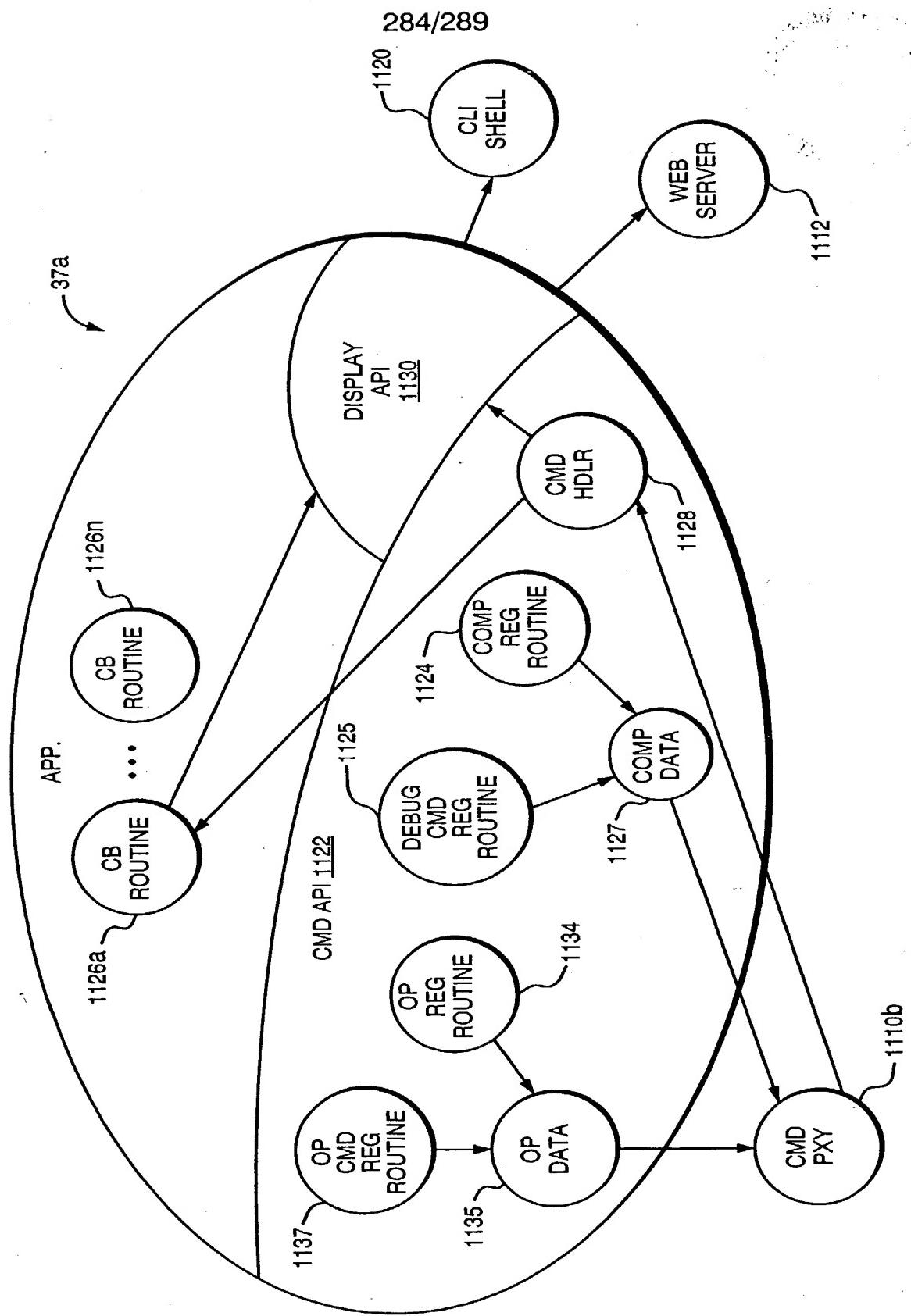


FIG. 82

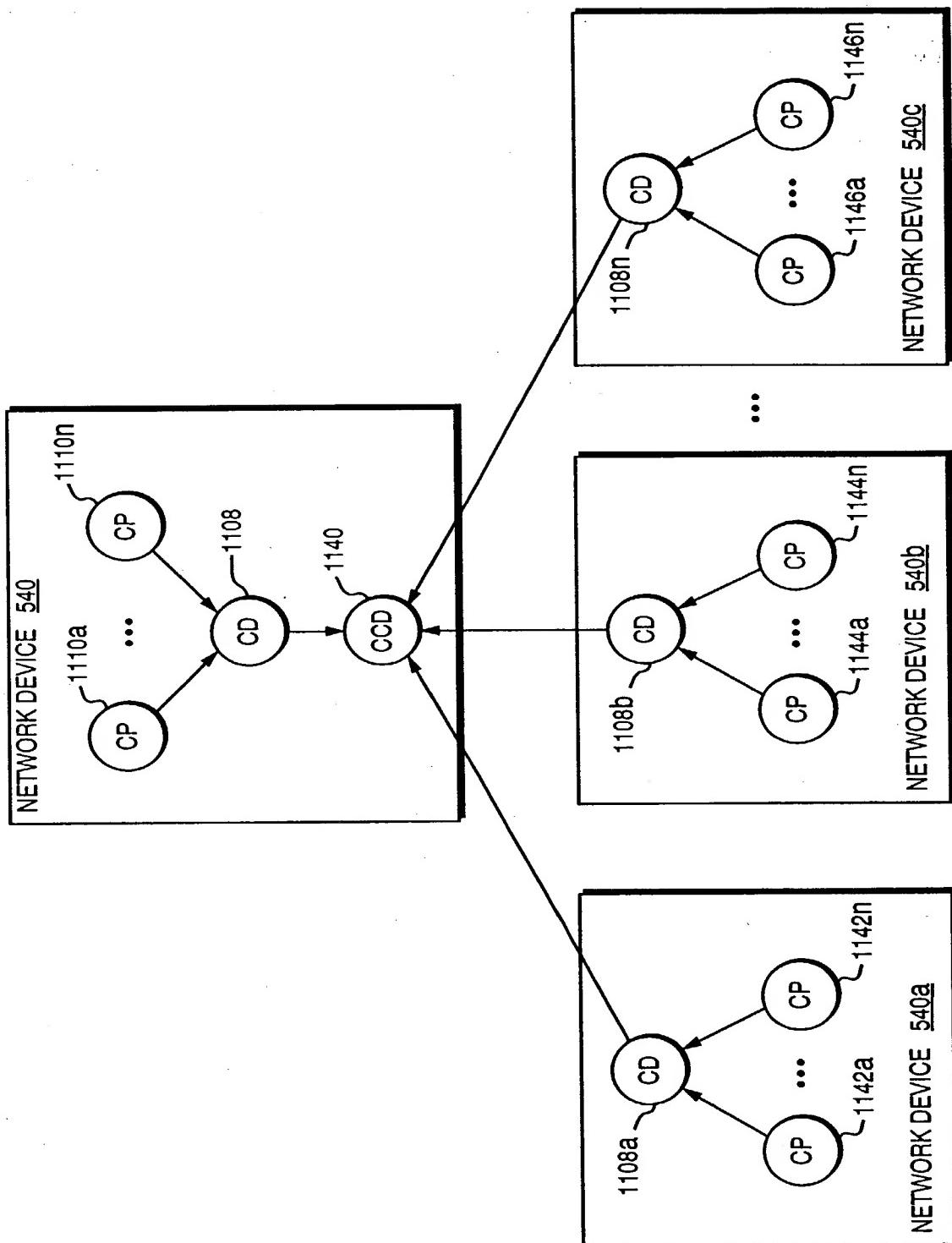


FIG. 83

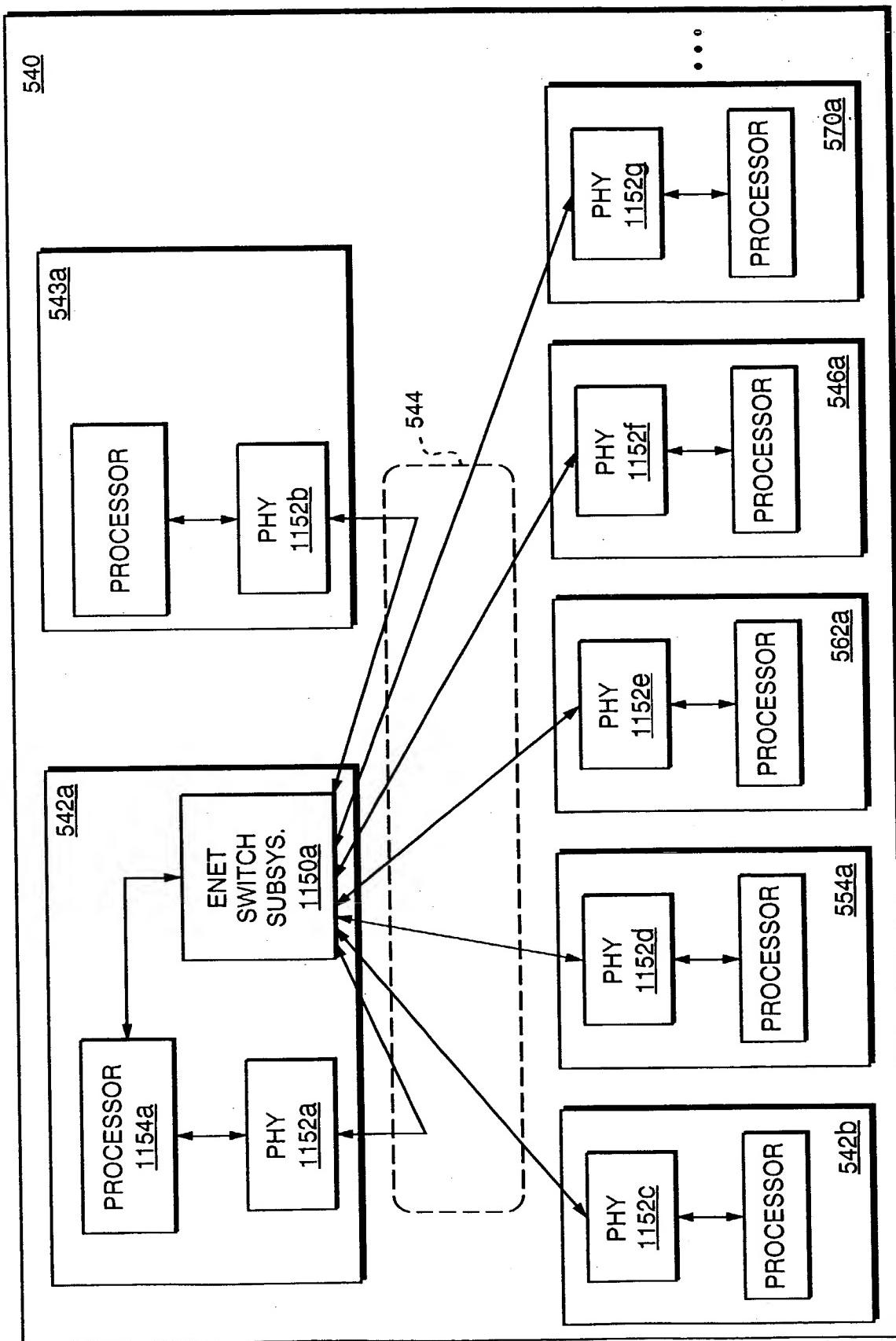


FIG. 84

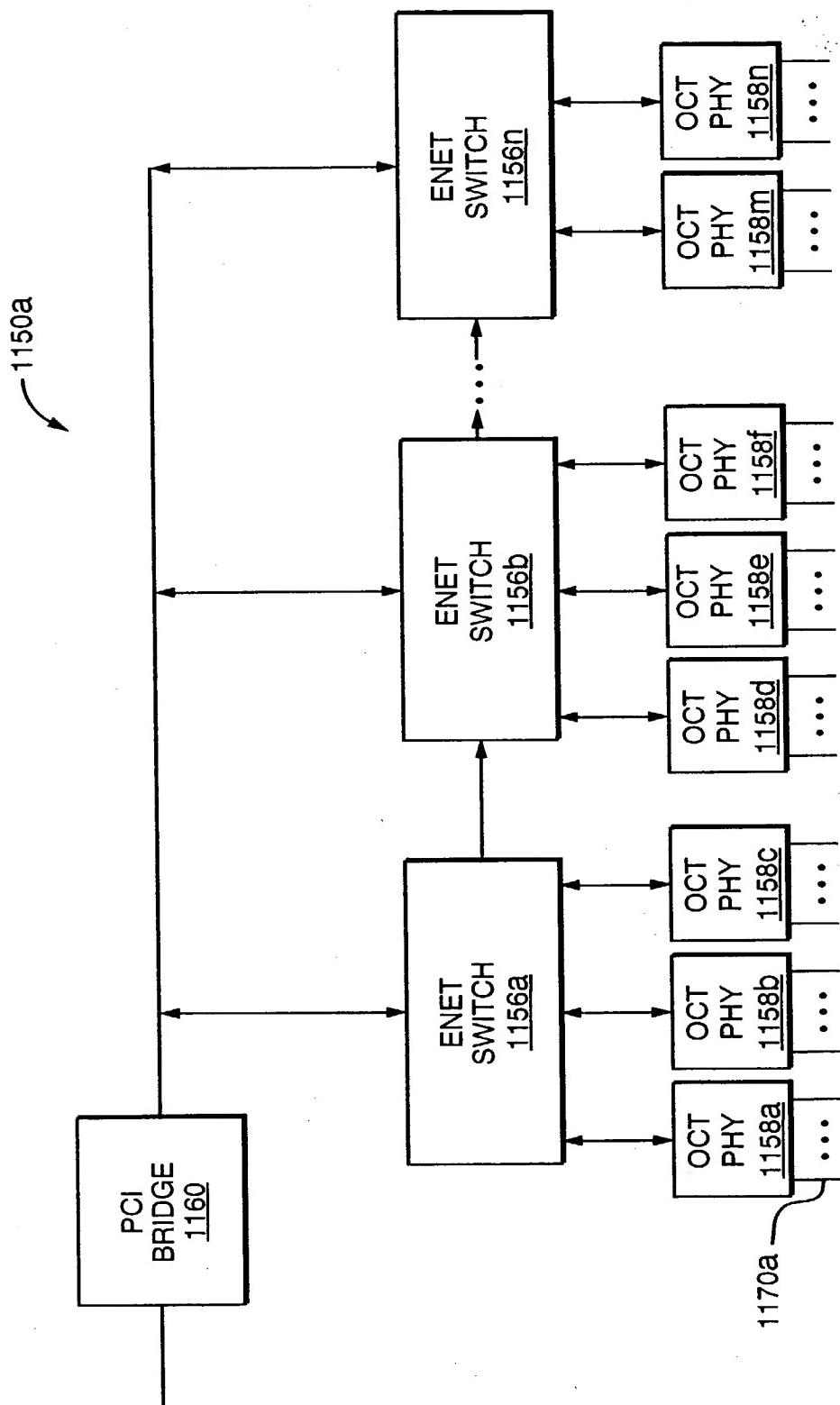


FIG. 85

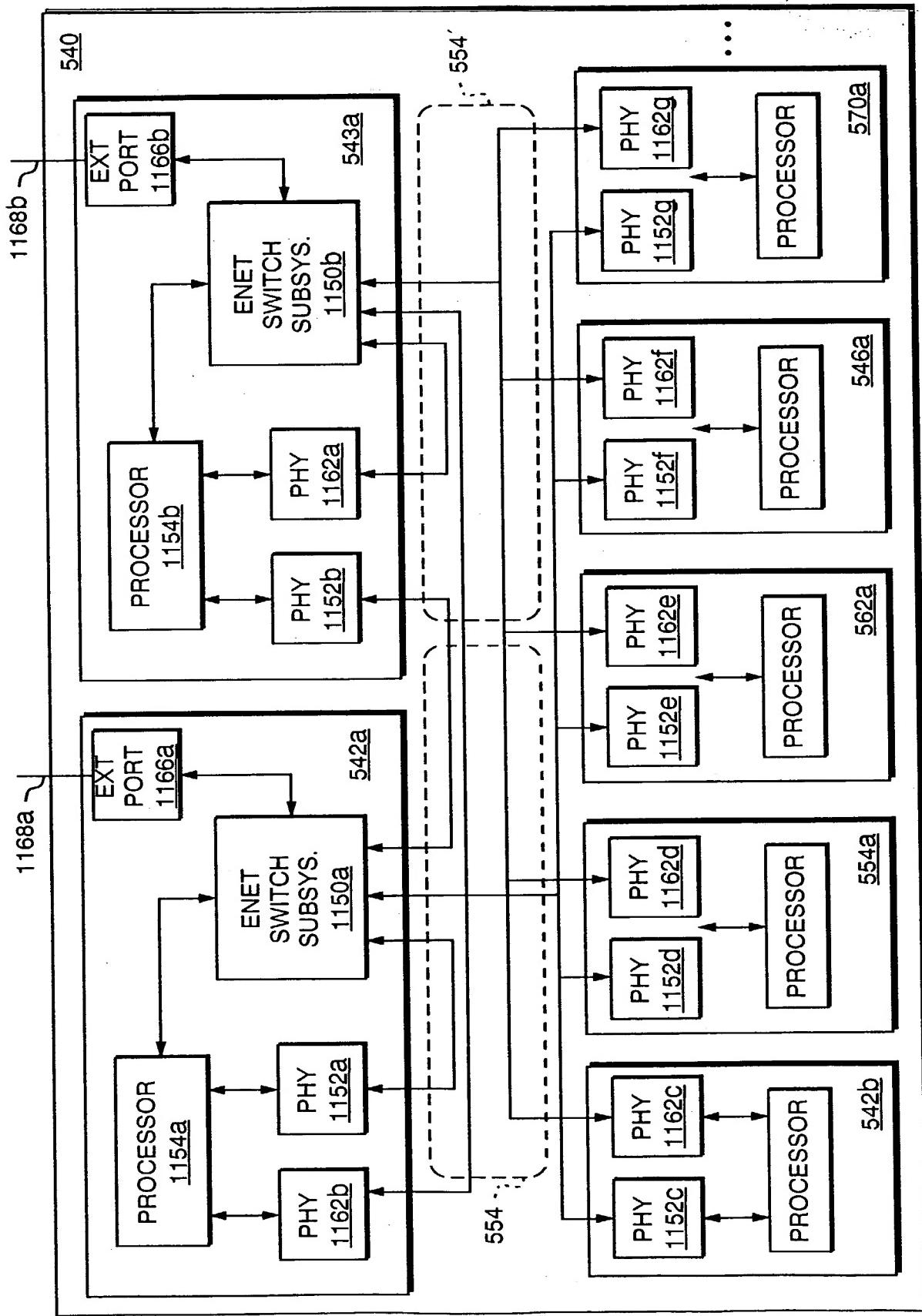


FIG. 86

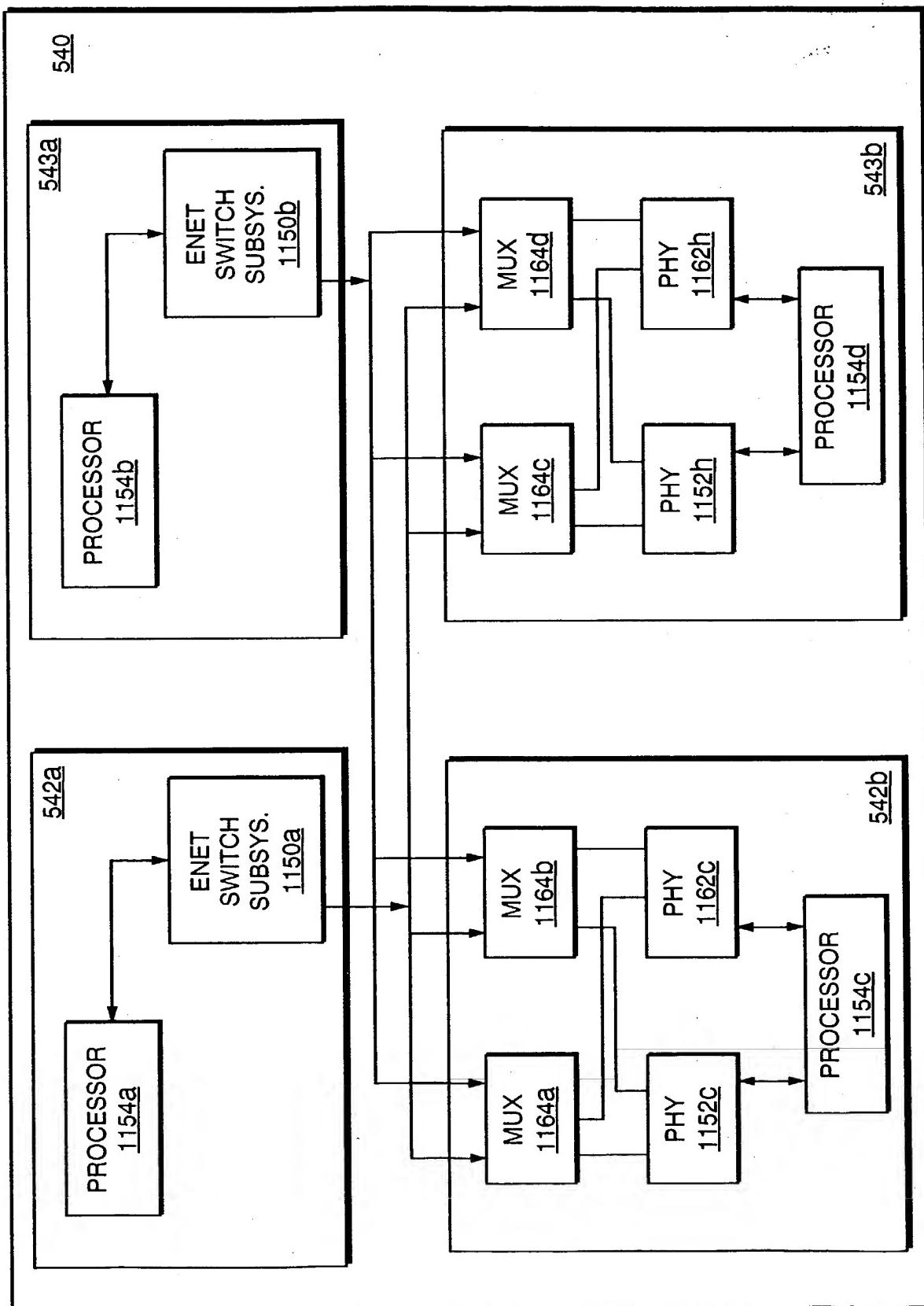


FIG. 87